

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



STIC Search Report

EIC 2600

STIC Database Tracking Number: 133774

TO: Shefali Patel
Location: PK1 4A07
Art Unit : 2621
Friday, October 01, 2004

Case Serial Number: 09/700,087

From: Samir Patel
Location: EIC 2600
PK2-3C03
Phone: 306-0254

Samir.patel@uspto.gov

Search Notes

Dear Examiner

Please find attached the search results for 09/700,087. I used the search strategy as we discussed. I have searched the standard Dialog files and the internet.

If you would like a re-focus please let me know.

Thank you

Samir Patel

93

Access DB# 133774

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Shefali Patel Examiner #: 79747 Date: 9/28/04
Art Unit: 2621 Phone Number 306-4182 Serial Number: 09/700,087
Mail Box and Bldg/Room Location: CPL-4A07 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Method & Device for Visualising images through sound.

Inventors (please provide full names): C. RONLY - DILLON, JOHN RONALD ;
PERSAUD, KRISHNA CHANDRA

Earliest Priority Filing Date: 5/12/1998

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please search claim 1.

Thank you!
Shefali Patel

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method enabling a person to visualise images comprising the steps of:

encoding spatial information relating to at least one feature ~~or features~~ contained within an image into the form at least one ~~or more~~ polyphonic musical sequences; and

playing the at least one polyphonic musical sequence ~~or sequences~~ to the person; and,

wherein a subset of a full image is encoded into the at least one polyphonic musical, the step of encoding a subset of a full image comprising recognizing and extracting predetermined features from the image, and encoding said predetermined features into at least one polyphonic musical sequence;

2. (Currently Amended) A method according to claim 1 in which spatial information is encoded by selecting a note or chord dependent on the a distribution of the at least one feature ~~or features~~ along an axis.

3. (Previously presented) A method according to claim 1 in which the image comprises a letter or a number.

4. (Currently amended) A method according to claim 1 in which the image comprises the ~~person=~~person's environment.

5. (Currently amended) A method according to claim 1 in which spatial information is encoded by:

representing the image as a 2D image;

forming one or more musical sequences, each comprising a series of notes or chords, in which i) each note or chord is selected dependent upon a distribution of the at least one feature ~~or features~~ along a portion of the 2D image, and ii) different notes or chords in a sequence correspond to different portions of the 2D image.

6. (Currently amended) A method according to claim 5 in which the 2D image, or a portion of the 2D image, is divided into a matrix of pixels, and i) each note or chord is selected dependent upon the distribution of the at least one feature ~~or features~~ along a column ~~a column~~

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/May(Updated 040903)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200462
(c) 2004 Thomson Derwent

Set	Items	Description
S1	81737	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT???? OR C- ONVERSION?? OR TRANSFORM????) (3N) (IMAGE??? OR PHOTOGRAPH?? OR PICTURE? ? OR DRAWING? ? OR JPG?? OR TIFF?? OR JPEG?? OR GIF)
S2	7373	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT???? OR C- ONVERSION?? OR TRANSFORM????) (3N) (PIXEL?? OR PEL OR (PICTURE?- ?())ELEMENT??) OR SUB()PIX?? OR SUBPIXEL??)
S3	2877776	(RECOGNI???? OR EXTRACT???? OR DETECT??? OR SENSING OR RET- RIEV??? OR IDENTIF???? OR IDENTIFICATION??)
S4	262975	S3(5N) (FEATUR??? OR CHARACTER??????? OR ASPECT??? OR ATTRIB- UTE?? OR ELEMENT??? OR COMPONENT??? OR DETAIL??? OR NOSE?? OR EAR OR EARS OR LIP?? OR EYE?? OR FACE??)
S5	635247	MUSIC?? OR SOUND?? OR AUDIO?? OR SONG?? OR TUNE?? OR MELOD- Y?? OR POLYPHON??? OR TONE?? OR CHORD??
S6	1	AU='CRONLY-DILLON J R'
S7	84813	S1 OR S2
S8	5001	S7 AND S5
S9	190	S8 AND S4
S10	166	S9 NOT (HALF())TON?? OR HALFTON???)
S11	1712	S7(5N)S5
S12	43	S11 AND S10
S13	43	IDPAT (sorted in duplicate/non-duplicate order)
S14	26	S13 NOT AY>1998

S18

4 S17 AND S5

6/5,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012924989 **Image available**
WPI Acc No: 2000-096825/200008
XRPX Acc No: N00-074812

Two dimensional image visualization method for blind persons

Patent Assignee: UNIV MANCHESTER INST SCI & TEC (UYMA-N)

Inventor: CRONLY-DILLON J R ; PERSAUD K C

Number of Countries: 087 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9958087	A2	19991118	WO 99GB1506	A	19990512	200008 B
AU 9938399	A	19991129	AU 9938399	A	19990512	200018
EP 1087737	A2	20010404	EP 99921025	A	19990512	200120
			WO 99GB1506	A	19990512	
JP 2002514467	W	20020521	WO 99GB1506	A	19990512	200236
			JP 2000547939	A	19990512	

Priority Applications (No Type Date): GB 989986 A 19980512

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

WO 9958087	A2	E	41	A61F-009/08	
------------	----	---	----	-------------	--

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9938399	A			A61F-009/08	Based on patent WO 9958087
------------	---	--	--	-------------	----------------------------

EP 1087737	A2	E		A61F-009/08	Based on patent WO 9958087
------------	----	---	--	-------------	----------------------------

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
LU MC NL PT SE

JP 2002514467	W		41	A61F-009/08	Based on patent WO 9958087
---------------	---	--	----	-------------	----------------------------

Abstract (Basic): WO 9958087 A2

NOVELTY - Spatial information relating to predetermined feature or features contained within a 2D image (10) is encoded by selecting a note or chord dependent on the distributed of the feature along an axis, to form one or more musical sequences. Then, the musical sequence or sequences is/are played to a person as a melody.

DETAILED DESCRIPTION - The 2D image comprises a letter or a member or the person's environment. An INDEPENDENT CLAIM is also included for a device for enabling a person to visualize images.

USE - For enabling blind persons to see' or assimilate some amount of visual information of complex images such as boat, staircase, house, castle.

ADVANTAGE - Enables person to quickly read simple words and recognize figures consisting of one complex geometric shape contained within another shape such as triangle within a square. By encoding only certain features, it is easier for a person to distinguish or resolve identifiable features.

DESCRIPTION OF DRAWING(S) - The figure shows diagram of 2D features of image.

2D image (10)

pp; 41 DwgNo 1/11

Title Terms: TWO; DIMENSION; IMAGE; METHOD; BLIND; PERSON

Derwent Class: P32; P86; S05

International Patent Class (Main): A61F-009/08

International Patent Class (Additional): G10H-001/00; H04N-007/18
File Segment: EPI; EngPI

Inventor: CRONLY-DILLON J R ...

14/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07989844 **Image available**
DATA CHARACTERISTICS EXTRACTING DEVICE AND DATA COLLATING DEVICE

PUB. NO.: 2004-102603 [JP 2004102603 A]
PUBLISHED: April 02, 2004 (20040402)
INVENTOR(s): HIRAMOTO MASAO
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2002-262988 [JP 2002262988]
FILED: September 09, 2002 (20020909)

DATA CHARACTERISTICS EXTRACTING DEVICE AND DATA COLLATING DEVICE

ABSTRACT

... is created based on the gradient; then another multilevel image (B) is obtained; a multiple tone image, which is converted to the binary image in a line drawing converting part 107 and highly expresses the luminance of a point that density of the line...

14/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07590940 **Image available**
SHAPE TRANSMISSION DEVICE

PUB. NO.: 2003-084784 [JP 2003084784 A]
PUBLISHED: March 19, 2003 (20030319)
INVENTOR(s): ISHITSUKI KOUJI
HOSONO YOSHIO
APPLICANT(s): KAISEN BAITAI KENKYUSHO KK
APPL. NO.: 2001-275845 [JP 2001275845]
FILED: September 12, 2001 (20010912)

ABSTRACT

... which converts the shape and features of image data read by an image reader into sound data and outputs the sound data.

SOLUTION: Image data is read, and outline information 2 of the image data is extracted as the shape and features of image data, and the X axis of outline information is replaced with sound position information 4 utilizing sound source orientation which is a human aural function which decides the direction of outputted sounds, and the Y axis is replaced with a frequency 5 of sounds, and image data is converted into sound data to output the sound data, and thus the shape and features of image data can be recognized by hearing.

COPYRIGHT: (C)2003,JPO

14/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07410895 **Image available**

PATTERN QUALITY EXAMINATION METHOD AND DEVICE

PUB. NO.: 2002-279405 [JP 2002279405 A]
PUBLISHED: September 27, 2002 (20020927)
INVENTOR(s): MAENO YOSHIHIRO
APPLICANT(s): FUJI HEAVY IND LTD
APPL. NO.: 2001-074197 [JP 200174197]
FILED: March 15, 2001 (20010315)

ABSTRACT

... TO BE SOLVED: To provide a pattern quality examination method and a device which surely **detects** lack of patterns, such as **characters**, symbols, etc., formed by marking, printing, etc., and examining the quality of the pattern with...

... change calculation process for calculating angular change in pixel rows forming the contour, a color **tone** difference **image** forming process for **converting** the angular change into the color **tone** difference and forming a color **tone** difference image, and a comparison process comparing the color **tone** difference image with a reference color **tone** difference image in the pattern. The quality of the pattern is examined, based on the ...

14/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07159072 **Image available**
APPARATUS AND METHOD FOR **ENCODING IMAGE**

PUB. NO.: 2002-027455 [JP 2002027455 A]
PUBLISHED: January 25, 2002 (20020125)
INVENTOR(s): SATOU YOSHINORI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.: 2000-205966 [JP 2000205966]
FILED: July 07, 2000 (20000707)

APPARATUS AND METHOD FOR **ENCODING IMAGE**

ABSTRACT

PROBLEM TO BE SOLVED: To provide an apparatus and a method for **encoding** an **image** having a small deterioration of even a small encoding amount by improving an **extracting** accuracy of a **feature** area to which more encoding amount is allocated.

SOLUTION: The apparatus for **encoding** the **image** comprises a **sound** source direction detector 12 for detecting **sound** source direction information from an input voice signal, an input image range detector 14 for detecting input image range information from an input signal, a **feature** area **extracting** unit 15 inputting the **sound** source direction information and the input image range information to extract a **sound** source part of the input image as the feature area, and a quantization coefficient controller 16 for controlling to increase the encoding amount of the **feature** area **extracted** by the unit 15 of the input image information in such a manner that the feature area matched to a visual characteristics of a person to note the **sound** source direction can be extracted, and even when the encoding amount is reduced as the...

14/3,K/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06673792 **Image available**
REWRITING SYSTEM BY EXAMPLE

PUB. NO.: 2000-259618 [JP 2000259618 A]
PUBLISHED: September 22, 2000 (20000922)
INVENTOR(s): RYU TADAMITSU
APPLICANT(s): RYU TADAMITSU
APPL. NO.: 11-101578 [JP 99101578]
FILED: March 05, 1999 (19990305)

ABSTRACT

... rewriting processing conversation acquirement part 401 and a rewriting content generation part 501. The OCR **recognition** part 201 **converts** character **image** information and **sound** information into a **character** code. The rewriting object part **detection** part 301 detects a part whose certainty degree of recognition is low and which requires...

14/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06212591 **Image available**
DOCUMENT EDITING SYSTEM AND DEVICE THEREFOR

PUB. NO.: 11-154151 [JP 11154151 A]
PUBLISHED: June 08, 1999 (19990608)
INVENTOR(s): SUGIYAMA TAKUYA
MAKIOKA JUNICHI
APPLICANT(s): HITACHI LTD
APPL. NO.: 09-319772 [JP 97319772]
FILED: November 20, 1997 (19971120)

ABSTRACT

... SOLVED: To take in picture data and character data to generate document data by converting **sound** data relating to picture data into character data.

SOLUTION: A generated document format is selected...

... taking in document data from the data memory of a digital camera is selected and **sound** data corresponding to the selected picture data is registered in the data memory of the digital camera, the picture data is stored in the data memory 107, **sound** data is taken out, it is converted into **character** data by the **recognition** program of a program memory 106 and it is stored in the data memory 107. Document data, character data obtained by **converting** **sound** data and **picture** data are developed based on the document format held in the data memory 107, picture...

14/3,K/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

05479443 **Image available**
DEVICE TO AUTOMATICALLY SET **tone** FOR MEDICAL-USE IMAGE

PUB. NO.: 09-094243 [JP 9094243 A]
PUBLISHED: April 08, 1997 (19970408)
INVENTOR(s): KAWASAKI KOJI
APPLICANT(s): SHIMADZU, CORP [000199] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 07-276793 [JP 95276793]
FILED: September 29, 1995 (19950929)

DEVICE TO AUTOMATICALLY SET **TONE** FOR MEDICAL-USE IMAGE

ABSTRACT

PROBLEM TO BE SOLVED: To provide a device to automatically set a **tone** for medical-use images in which image **tone** setting can be achieved accurately for medical-use images subjected to practical diagnoses without causing...

...SOLUTION: This device to automatically set **tone** for medical-use images has a CPU 4 to **extract** picture **elements** related to concerned positions (concerned picture elements) from groups of original picture elements stored in...

...4 to have parameters to indicate distribution of concentration values in groups of the concerned **picture elements**, determine **tone conversion** characteristics of the medical-use images based on the above parameters, and set the characteristics on a **tone** conversion table 10.

14/3,K/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

05424498 **Image available**
METHOD AND APPARATUS FOR IMAGE RECORDING

PUB. NO.: 09-039298 [JP 9039298 A]
PUBLISHED: February 10, 1997 (19970210)
INVENTOR(s): KURIMOTO MASAMIZU
KUROSAWA HIDENORI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 07-212844 [JP 95212844]
FILED: July 28, 1995 (19950728)

ABSTRACT

... the image information of a recording image element at low density when the recording image **element** is **detected** to be included in a paint-over region at the time of a recording material...

...SOLUTION: At the **toner** -saving theoretical circuit 27, noticeable **picture elements** are **converted** in reference with the image data of 3 by 3 picture elements inputted. This process is conducted such that checking up with the **characteristics** - **detected** dot pattern is made, and when concurred with each other, they are outputted as multi-value EVD07-EVD00 having predetermined 8 bits. The **image** information is **conversion** processed at a **toner** -saving theoretical circuit 127 and smoothing theoretical circuit 128, and then inputted into a selector...

14/3,K/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

03937461 **Image available**
MULTI-MEDIA COMMUNICATION SYSTEM

PUB. NO.: 04-302561 [JP 4302561 A]
PUBLISHED: October 26, 1992 (19921026)
INVENTOR(s): TSURUTA YUZO
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 03-091647 [JP 9191647]
FILED: March 29, 1991 (19910329)
JOURNAL: Section: E, Section No. 1333, Vol. 17, No. 128, Pg. 57, March
 18, 1993 (19930318)

ABSTRACT

... is constituted of a processor 6 containing a data converting means 64 for receiving a **sound** signal, recognizing it as a voice, analyzing it, converting it to text data (text data) and outputting it, **image** recognizing/ **converting** means 72, 76 for receiving an image information signal, **extracting** **character** information, **recognizing** a **character** pattern, converting it to the text data corresponding to a result of recognition and outputting it, a voice synthesizing means 67 for converting these output text data to a **sound** signal and outputting it, and **image conversion** output means 73, 78 for converting the output text data to image information and outputting...

14/3,K/10 (Item 10 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

03755876 **Image available**
CODE CONVERSION SYSTEM FOR MULTI-VALUE PICTURE

PUB. NO.: 04-120976 [JP 4120976 A]
PUBLISHED: April 21, 1992 (19920421)
INVENTOR(s): OGASAWARA HIROMICHI
 HATA YASUHIRO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
 (Japan)
 NEC SHIZUOKA LTD [489142] (A Japanese Company or Corporation)
 , JP (Japan)
APPL. NO.: 02-242202 [JP 90242202]
FILED: September 12, 1990 (19900912)
JOURNAL: Section: E, Section No. 1247, Vol. 16, No. 379, Pg. 114,
 August 13, 1992 (19920813)

ABSTRACT

... for multi-value picture information with an almost similar transmission efficiency to that for binary **picture** information by **converting** the multi-value **picture** information including an intermediate **tone** into a run length of a gradation changing picture element number, compressing the quantity of...

... read section 2, converted into a digital multi-value picture signal in the unit of **picture elements** by a signal **converter** 3 and transferred to a run length converter 4 synchronously with a transfer clock. The...

... detection signal 14 required for a code converter 5 are generated.

Moreover, the converter 5 **detects** the number of picture **elements** of the same gradation, a changed gradation number and the polarity of the changed gradation...

14/3,K/11 (Item 11 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

03734849 **Image available**

APPARATUS FOR INSPECTING APPEARANCE OF SHEET PATTERN PRODUCT

PUB. NO.: 04-099949 [JP 4099949 A]

PUBLISHED: March 31, 1992 (19920331)

INVENTOR(s): UEDA SHUNICHI

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-217178 [JP 90217178]

FILED: August 20, 1990 (19900820)

JOURNAL: Section: P, Section No. 1389, Vol. 16, No. 333, Pg. 125, July 20, 1992 (19920720)

ABSTRACT

...image of an IC frame 1 of which an image is picked up by an **image** sensor 13 is **converted** into continuous- **tone image** signals 16 and again into binary image signals 18. Thereafter, two images of the same pattern are supplied to reference and comparison **extract** processing **elements** 19 and 21 respectively as a reference and comparison patterns, and the matching of both...

...by a processing element 23. The unmatching two valued image 24 output by the processing **element** 23 is **detected** by a defective **extract** processing **element** 25, and the defective information is sent to a good or bad judging element 39...

... by the processing element 39 using the failure information 26 and the shift information 38 **extracted** respectively from the processing **element** 27 and the preventing element 36. An efficient and precise inspection can be made by...

14/3,K/12 (Item 12 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

03649371 **Image available**

THERMAL PRINTER

PUB. NO.: 04-014471 [JP 4014471 A]

PUBLISHED: January 20, 1992 (19920120)

INVENTOR(s): NUMAKURA TAKASHI

NUMAKURA IWAO

APPLICANT(s): YAMATOYA & CO LTD [425377] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-115909 [JP 90115909]

FILED: May 07, 1990 (19900507)

JOURNAL: Section: M, Section No. 1239, Vol. 16, No. 169, Pg. 31, April 23, 1992 (19920423)

ABSTRACT

PURPOSE: To obtain reproduction image with an excellent reproducibility for

density **tone** by obtaining a **tone** strength value by processing an image information value by a specified **tone** conversion formula...

... stored first by an image information reading mechanism constituted of a photomultiplier or solid photographing **element** (CCD), etc. at a **detecting** section 1. Then, at a color decomposition section 2, density information values for each color...

... are obtained as image information for the reproduction objective. Then, the density information values are **converted** to **image** information values correlated with light volume by using, e.g., a photoelectric conversion characteristic curve of the CCD which is a recording medium. The Y, M, C, K components **converted** to **image** information values are **converted** to **tone** strength values at picture element blocks for each color component from Y, M, C, K, at a **tone** adjustment section 11 which internally has an algorithm for a specified **tone** conversion formula. The **tone** strength values for picture elements are input in a color channel selector 12 and A...

14/3,K/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

01570170 **Image available**

PICTURE PROCESSING DEVICE

PUB. NO.: 60-048670 [JP 60048670 A]

PUBLISHED: March 16, 1985 (19850316)

INVENTOR(s): TANIOKA HIROSHI

APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 58-156412 [JP 83156412]

FILED: August 29, 1983 (19830829)

JOURNAL: Section: E, Section No. 330, Vol. 09, No. 178, Pg. 82, July 23, 1985 (19850723)

ABSTRACT

...reproduced picture with simple constitution by addressing a table with a signal detecting a picture **tone** of an image area of plural picture elements and selecting any of plural different picture...

...element 1 is quantized into a 6-bit digital picture signal by an A/D **converter** 2. **Picture tone** detection blocks 3, 4 detect picture density L(sub max) at a high level and...

... L(sub min) at a minimum level in a picture block consisting of plural picture **elements** respectively and its **detection** signal addresses a table 5. A binary-coding block 6 obtains the maximum value and...

...to obtain its intermediate density automatically. A binary-coded block 7 inputs a pseudo intermediate **tone** binary-coded signal to the circuit 8 by a dither matrix. A numeral value for...

... slice processing or dither processing is written in a table 5 based on the picture **tone** data, and the output of the block 6 or the block 7 is selected respectively...

14/3,K/14 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015521866 **Image available**

WPI Acc No: 2003-584013/200355

Related WPI Acc No: 1996-298205; 2003-651557

XRPX Acc No: N03-464916

Audio encoder for vehicle telephone, mobile telephone, estimates and transmits control information corresponding to noise component decoding process, when noise component in input signal is detected

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003216196	A	20030730	JP 94265735	A	19941028	200355 B
			JP 2002333491	A	19941028	

Priority Applications (No Type Date): JP 94265735 A 19941028; JP 2002333491 A 19941028

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003216196	A	11	G10L-019/04	Div ex application JP 94265735

Audio encoder for vehicle telephone, mobile telephone, estimates and transmits control information corresponding to noise component decoding process, when noise component in input signal is detected

Abstract (Basic):

... The **detected** voice signal **component** and the noise signal component present in input **audio** signal are encoded with encoders (6,7). A control information corresponding to the decoding process of a noise component is estimated and transmitted, when a noise component in the input **audio** signal is detected.

... An INDEPENDENT CLAIM is also included for an **audio** encoding method...

... **Audio** encoder for vehicle telephone, mobile telephone...

...removes noise component effectively to prevent generation of odd feeling during regeneration process. Enables regenerating **audio** with desired quality by removing the noise component...

...The figure shows the block diagram of **audio encoder** . (Drawing includes non-English language text...

... **audio** decoder (2...

... **audio** encoder (6

Title Terms: **AUDIO** ;

14/3,K/15 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012979424 **Image available**

WPI Acc No: 2000-151277/200014

XRPX Acc No: N00-112263

Acoustic transducer of karaoke apparatus - has deformation unit which changes sine wave component and remainder component extracted from input signal which are convolved and synthetic unit to synthesis convolved remainder component

Patent Assignee: YAMAHA CORP (NIHG)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000010596	A	20000114	JP 98171910	A	1998061	200014 B

Priority Applications (No Type Date): JP 98171910 A 19980618

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000010596	A	15	G10L-021/04	

... has deformation unit which changes sine wave component and remainder component extracted from input signal which are convolved and synthetic unit to synthesis convolved remainder component

...Abstract (Basic): NOVELTY - Retainers (12,13) hold sine wave component and remainder component for **audio** signal conversion based on which deformation unit changes sine wave **component** and remainder **component extracted** from input **audio** signal. The deformed sine wave and remainder components are convolved and calculated. Synthetic unit synthesizes the processed convolutional remainder component. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **audio** conversion procedure...

...depending on pitch, harmonic overtone or frequency envelope of sine wave component, natural properties of **audio** is not damaged which helps in smooth **audio conversion**. DESCRIPTION OF **DRAWING** (S) - The figure shows block diagram of acoustic transducer. (12,13) Retainers...

14/3,K/16 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012448026 **Image available**
WPI Acc No: 1999-254134/199921
XRPX Acc No: N99-189217

PC card interfaced with host computer

Patent Assignee: INTEL CORP (ITLC)
Inventor: BARNES T J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5892975	A	19990406	US 95455561	A	19950531	199921 B
			US 97811137	A	19970303	

Priority Applications (No Type Date): US 95455561 A 19950531; US 97811137 A 19970303

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5892975	A	11	G06F-009/02	Cont of application US 95455561

Abstract (Basic):

... the switched OFF components and display the last displayed image along with reproduction of associated **sound** tracks.

... The PC card has SRAM (20) storing images which are **identified** using the directory. The **sound component** outputs **sound** from digital data representing **sound** tracks. The conversion mechanism in the host computer **converts image** to suitable format and clips **sound** tracks to predetermined size. A wireless interface unit

transfers the images between the PC card...

...Reproduces both images and associated **sound** , by interfacing with host computer...

14/3,K/17 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012415593 **Image available**

WPI Acc No: 1999-221701/199919

XRPX Acc No: N99-164538

Speech recognition image processor e.g. personal computer, digital camera
- has image display unit that synthesizes and displays image data and
converted recognition result of audio and character conversion
group

Patent Assignee: CASIO COMPUTER CO LTD (CASK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11055614	A	19990226	JP 97221941	A	19970804	199919 B

Priority Applications (No Type Date): JP 97221941 A 19970804

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11055614	A	17	H04N-005/907	

... has image display unit that synthesizes and displays image data and
converted recognition result of audio and character conversion
group

...Abstract (Basic): NOVELTY - An image display unit synthesizes and displays the **image** data and the **converted recognition** result of an **audio** and **character** conversion group (30). The **recognition** result of the **audio** and **character** conversion group is converted to a character, symbol or a picture. DETAILED DESCRIPTION - The **audio** and character conversion group enables the input and recognition of an **audio** . An image data entry group (10) enables the input of the image data...

...the block diagram of the speech recognition image processor. (10) Image data entry group; (30) **Audio** and character conversion group...

...Title Terms: **AUDIO** ;

14/3,K/18 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010586726 **Image available**

WPI Acc No: 1996-083679/199609

XRPX Acc No: N96-070053

Magnetic recording and reproducing appts - uses detector to detect
reproduced data based on outputs of waveform converter and clock
generator

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------

JP 7334930 A 19951222 JP 94128939 A 19940610 199609 B

Priority Applications (No Type Date): JP 94128939 A 19940610

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 7334930 A 5 G11B-020/10

...Abstract (Basic): The appts has a **converting** part to **convert image** and **audio** signals into digital signals. A reproduction amplifier (3) amplifies the reproduced signal from a reproducing...
...comparator compares the outputs of the reference level and the reproduction amplifier. A pulse edge **detector** (7) **detects** the edge **component** of the output pulse from the first comparator. A phase comparator (13) detects the phase...

14/3,K/19 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010264625 **Image available**

WPI Acc No: 1995-165880/199522

XRPX Acc No: N95-130395

Spread-spectrum transmitting-and-receiving image processor - recognises character of image read by RGB converter , converts this character to audio signal which is characterised and then encoded, receives audio input and encodes signals for transmission NoAbstract

Patent Assignee: CANON KK (CANO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7087242	A	19950331	JP 93185558	A	19930629	199522 B

Priority Applications (No Type Date): JP 93185558 A 19930629

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 7087242 A 9 H04N-001/00

... recognises character of image read by RGB converter , converts this character to audio signal which is characterised and then encoded, receives audio input and encodes signals for transmission NoAbstract
...Title Terms: **AUDIO ;**

14/3,K/20 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009889738 **Image available**

WPI Acc No: 1994-169654/199421

Related WPI Acc No: 1993-019700; 1993-145395; 1997-418160

XRPX Acc No: N94-133606

Cylindrical container inner surface appts. for testing paper cups - uses image processing to create sub-window at known distance from joint line of cup which is used as test target area

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE)

Inventor: TOYAMA K

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------

EP 599335	A2	19940601	EP 93119064	A	19931125	199421 B
US 5412203	A	19950502	US 92914332	A	19920715	199523
			US 92970280	A	19921102	
			US 93157908	A	19931124	
EP 599335	A3	19940713				199528
EP 599335	B1	19970502	EP 93119064	A	19931125	199722
DE 69310321	E	19970605	DE 610321	A	19931125	199728
			EP 93119064	A	19931125	
JP 3044951	B2	20000522	JP 92313827	A	19921125	200029

Priority Applications (No Type Date): JP 92313827 A 19921125; JP 91172940 A 19910715; JP 91232093 A 19910912; JP 91249946 A 19910930; JP 91265134 A 19911015; JP 91286934 A 19911101

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 599335	A2	E	16	G01N-021/88	
Designated States (Regional): DE FR GB					
JP 3044951	B2		10	G01N-021/90	Previous Publ. patent JP 6160289
US 5412203	A		69	G01N-009/04	CIP of application US 92914332
					CIP of application US 92970280
					CIP of patent US 5233199
					CIP of patent US 5338000
EP 599335	B1	E	19	G01N-021/88	
Designated States (Regional): DE FR GB					
DE 69310321	E			G01N-021/88	Based on patent EP 599335
EP 599335	A3			G01N-021/88	

...Abstract (Equivalent): captured image, said tester comprising: a frame memory (21) for storing a multi-value continuous **tone** image signal obtained by A/D- **converting** a continuous **tone image** signal obtained by scanning said captured image; area specifying means (30, 37) for generating a...

...for converting to a binary value according to a predetermined threshold a multi-value continuous **tone** image signal read by a horizontal or vertical scanning operation from an area specified by...

...Abstract (Equivalent): The tester includes a frame memory which stores a multi-value continuous **tone** image signal as image data. The image signal is obtained by A/D-conversion from a continuous **tone** image signal obtained by scanning the captured image. The tester also includes an area detecting unit which generates a binary **image** signal by binary- **converting** from a multi-value continuous **tone** image signal. The signal is read by horizontally or vertically scanning the frame memory...

...ADVANTAGE - Provides precise and stable **detection** in **face** of uneven illumination in test container...

14/3,K/21 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009451870 **Image available**

WPI Acc No: 1993-145395/199318

Related WPI Acc No: 1993-019700; 1994-169654; 1997-418160

XRPX Acc No: N93-111090

Image processing tester for cylindrical container inner surfaces - has frame memory to store captured image and area detecting unit for generating binary image signal using predetermined threshold

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE)
Inventor: TOYAMA K
Number of Countries: 004 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 540018	A2	19930505	EP 92118603	A	19921030	199318 B
EP 540018	A3	19930630	EP 92118603	A	19921030	199405
US 5338000	A	19940816	US 92914332	A	19920715	199432
			US 92970280	A	19921102	
US 5412203	A	19950502	US 92914332	A	19920715	199523
			US 92970280	A	19921102	
			US 93157908	A	19931124	

Priority Applications (No Type Date): JP 91286934 A 19911101; JP 91172940 A 19910715; JP 91232093 A 19910912; JP 91249946 A 19910930; JP 91265134 A 19911015; JP 92313827 A 19921125

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 540018	A2	E	34	C	
Designated States (Regional): DE FR GB					
US 5338000	A		53	C	CIP of application US 92914332 CIP of patent US 5233199
US 5412203	A		69	C	CIP of application US 92914332 CIP of application US 92970280 CIP of patent US 5233199 CIP of patent US 5338000
EP 540018	A3			C	

...Abstract (Basic): direction for analysis. A frame memory stores the captured data as a multi-value continuous **tone** image signal, analogue to digitally converted from scanning the captured image...

...An area detecting unit generates a binary **image** signal by binary **conversion**, using a predetermined threshold, of the multi-value continuous **tone** image signal read by horizontally or vertically scanning the frame memory. The unit determines as...

...foreign substances, scratches, or dust on inner side cylindrical surfaces. Solves problem of differentiating continuous **tone** to detect white or black spots...

...Abstract (Equivalent): The tester includes a frame memory which stores a multi-value continuous **tone** image signal as image data. The image signal is obtained by A/D-conversion from a continuous **tone** image signal obtained by scanning the captured image. The tester also includes an area detecting unit which generates a binary **image** signal by binary- **converting** from a multi-value continuous **tone** image signal. The signal is read by horizontally or vertically scanning the frame memory...

...ADVANTAGE - Provides precise and stable **detection** in **face** of uneven illumination in test container...

14/3,K/22 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009326237 **Image available**
WPI Acc No: 1993-019700/199303
Related WPI Acc No: 1993-145395; 1994-169654; 1997-418160
XRPX Acc No: N93-015120

Examination device for interior surface of cylindrical container -
illuminates and images can use TV camera to detect defects and test
circularity of highlighted areas

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE); FUJI ELECTRIC MFG CO LTD
(FJIE); FUJITSU LTD (FUIT)

Inventor: TOYAMA K

Number of Countries: 005 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 523664	A2	19930120	EP 92112088	A	19920715	199303 B
JP 5018909	A	19930126	JP 91172940	A	19910715	199309
JP 5072141	A	19930323	JP 91232093	A	19910912	199316
JP 5087738	A	19930406	JP 91249946	A	19910930	199318
US 5233199	A	19930803	US 92914332	A	19920715	199332
EP 523664	A3	19930428	EP 92112088	A	19920715	199401
US 5412203	A	19950502	US 92914332	A	19920715	199523
			US 92970280	A	19921102	
			US 93157908	A	19931124	
JP 2988059	B2	19991206	JP 91265134	A	19911015	200003

Priority Applications (No Type Date): JP 91265134 A 19911015; JP 91172940 A
19910715; JP 91232093 A 19910912; JP 91249946 A 19910930; JP 91286934 A
19911101; JP 92313827 A 19921125

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 523664	A2	E	44	G01B-011/30	
				Designated States (Regional): DE FR GB	
JP 2988059	B2		13	G01N-021/90	Previous Publ. patent JP 5107200
US 5233199	A		49	G01N-021/86	
US 5412203	A		69	G01N-009/04	CIP of application US 92914332 CIP of application US 92970280 CIP of patent US 5233199 CIP of patent US 5338000
JP 5018909	A			G01N-021/90	
JP 5072141	A			G01N-021/88	
JP 5087738	A			G01N-021/88	
EP 523664	A3			G01B-011/30	

...Abstract (Equivalent): The tester includes a frame memory which stores a
multi-value continuous **tone** image signal as image data. The image
signal is obtained by A/D-conversion from a continuous **tone** image
signal obtained by scanning the captured image. The tester also
includes an area detecting unit which generates a binary **image** signal
by binary- **converting** from a multi-value continuous **tone** image
signal. The signal is read by horizontally or vertically scanning the
frame memory...

...ADVANTAGE - Provides precise and stable **detection** in **face** of uneven
illumination in test container...

14/3,K/23 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009039996 **Image available**
WPI Acc No: 1992-167358/199220
XRPX Acc No: N92-124893

Video processing system using real-time editing of video images - has
microcomputer effecting real-time, on screen functions by employing

adaptive program to extract visual image data for compression

Patent Assignee: EIDOS PLC (EIDO-N); EIDOS BOAT HOUSE PLC (EIDO-N)

Inventor: STREATER S B

Number of Countries: 015 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9207359	A1	19920430	WO 91GB1832	A	19911018	199220 B
GB 2273841	A	19940629	WO 91GB1832	A	19911018	199423
			GB 937668	A	19930414	
GB 2273841	B	19941005	WO 91GB1832	A	19911018	199437
			GB 937668	A	19930414	
US 5781196	A	19980714	WO 91GB1832	A	19911018	199835
			US 9339342	A	19930416	
			US 96591396	A	19960125	
			US 97779150	A	19970103	

Priority Applications (No Type Date): GB 9022761 A 19901019

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9207359	A1 E	26	G11B-020/00	
	Designated States (National): GB JP US			
	Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE			
GB 2273841	A	1	H04N-007/13	Based on patent WO 9207359
GB 2273841	B		H04N-007/13	Based on patent WO 9207359
US 5781196	A		H04N-007/12	Cont of application WO 91GB1832
				Cont of application US 9339342
				Cont of application US 96591396

...Abstract (Equivalent): large capacity storage medium (28) for storing video digital at a representing coloured visual and **sound images**, at least one **conversion** means (15, 21) for converting signals from the source into digital signals and means for...

...broadcast tv frame rates for processing within the microcomputer for storage on the storage medium, **characterised** in that the means for **extracting**, compressing and converting the selected digital signals comprises means for creating information representing a skeleton screen as a subset of digital signals representing an original colour image of **pixels** present in the **conversion** means, means for comparing information representing each pixel with the corresponding pixel in a preceding...

14/3,K/24 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008213544 **Image available**

WPI Acc No: 1990-100545/199014

XRPX Acc No: N90-077714

Image processing for electrographic digital copier - uses double

classification to identify printed character images and tone images

Patent Assignee: KONICA CORP (KONS)

Inventor: KATOH H; MATSUNAWA M; TANAKA K

Number of Countries: 003 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3932485	A	19900329	DE 3932485	A	19890928	199014 B
JP 2090868	A	19900330	JP 88243324	A	19880928	199019
JP 2090869	A	19900330	JP 88243325	A	19880928	199019
JP 2092157	A	19900330	JP 88245157	A	19880929	199019

US 5001576 A 19910319 US 89411844 A 19890925 199114
DE 3932485 C2 19930218 DE 3932485 A 19890928 199307

Priority Applications (No Type Date): JP 88245157 A 19880929; JP 88243324 A 19880928; JP 88243325 A 19880928

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3932485	A		25		
DE 3932485	C2		24	H04N-001/40	

... uses double classification to identify printed character images and tone images

...Abstract (Basic): The provides an initial image classification distinguishing between a printed character image and a graduated tone image. A measuring device determines the length or area of the tone image fore comparison with a second reference value to provide a printed character classification when...

...Abstract (Equivalent): a classification device for classifying the image signals in a test character image signal and tone -image signal, a measurement device for measuring a length or a zone of the tone -image signal, a secured comparison device for comparing the length or area with a second reference value, a second classification device for further classification of the tone image into a tone -image signal and a text character image signal and for converting the resultant tone image into a test character image when the length or zone of the tone image signal is smaller than the second reference value. An attenuation device (50), designed as...

...input (with correction) at terminal (41a) prior to transmission of the signal to the intermediate tone processing circuit (42) for coding.
USE - Digital electrophotographic copying equipment e.g. with laser printer...

...Title Terms: TONE ;

14/3,K/25 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

007268417

WPI Acc No: 1987-265424/198738

XRPX Acc No: N87-198895

Processor for image data transfer between different facsimile appts. -
applies pixel -density conversion to continuous- tone image
binarily formed by dither method

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: KAMIYAMA T; YONEDA H

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 238034	A	19870923	EP 87103825	A	19870317	198738 B
JP 62216476	A	19870924	JP 8658640	A	19860317	198744
US 4827352	A	19890502	US 8726572	A	19870317	198920
EP 238034	B1	19930526	EP 87103825	A	19870317	199321
DE 3785950	G	19930701	DE 3785950	A	19870317	199327
			EP 87103825	A	19870317	

Priority Applications (No Type Date): JP 8658640 A 19860317

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 238034	A	E	11		
Designated States (Regional): DE FR NL					
US 4827352	A		12		
EP 238034	B1	E	14	H04N-001/40	
Designated States (Regional): DE FR NL					
DE 3785950	G			H04N-001/40	Based on patent EP 238034

... applies pixel -density conversion to continuous- tone image
binarily formed by dither method

...Abstract (Basic): A dither processor (14) converts an electrical signal (12) representing a continuous - **tone** input image into a binary image signal (16). The image signal (16) is stored in a memory (18) and supplied to a conversion processor (20), which **converts a pixel** -density of the image signal at a predetermined ratio, and generates a **converted image**. A **pixel** coordinate calculator (22) determines a coordinate position of each **pixel** of the **converted image** in the binary image, and selects a fiducial pixel...

...selector (24) defines a window area corresp. in size to the dither matrix size, and **extracts** reference picture **elements** in the window area. A calculator (26) calculates an average image-density of the reference...

...ADVANTAGE - Good continuous- **tone** characteristic of initial image, and minimised generation of moire patterns.

...Abstract (Equivalent): A dither processor (14) converts an electrical signal (12) representing a continuous - **tone** input image into a binary image signal (16). The image signal (16) is stored in a memory (18) and supplied to a conversion processor (20), which **converts a pixel** -density of the image signal at a predetermined ratio, and generates a **converted image**. A **pixel** coordinate calculator (22) determines a coordinate position of each **pixel** of the **converted image** in the binary image, and selects a fiducial pixel...

...selector (24) defines a window area corresp. in size to the dither matrix size, and **extracts** reference picture **elements** in the window area. A calculator (26) calculates an average image-density of the reference...

...ADVANTAGE - Good continuous- **tone** characteristic of initial image, and minimised generation of moire patterns...

...Abstract (Equivalent): image processing apparatus includes a dither processor, which converts an electrical signal representing a continuous- **tone** input image into a binary image signal using a dither matrix. The binary image signal is stored in a memory, and supplied to a **pixel -density conversion** processor, which **converts a pixel** density of the binary image signal at a predetermined ratio, and generates a **converted image** with the **pixel** coordinates as defined by the **conversion** ratio. A **pixel** coordinate calculator determines a coordinate position of each **pixel** of the **converted image** in the binary image, and selects a fiducial pixel...

...image containing the fiducial pixel and corresponding in size to the dither matrix size, and **extracts** reference picture **elements** in the window area. A calculator determines an average image-density of the reference picture...

...Title Terms: **TONE** ;

14/3,K/26 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004611269
WPI Acc No: 1986-114613/198618
XRPX Acc No: N86-084411

**Multi-lingual TV with dubbing by speech translators - modifies speaker
images with signals from translation audio channel**

Patent Assignee: GUINET Y (GUIN-I)

Inventor: GUINET Y

Number of Countries: 011 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 179701	A	19860430	EP 85401926	A	19851002	198618 B
FR 2571196	A	19860404				198620

Priority Applications (No Type Date): FR 8415124 A 19841002

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 179701	A	F 13		

Designated States (Regional): AT BE CH DE GB IT LI LU NL SE

... **modifies speaker images with signals from translation audio
channel**

...Abstract (Basic): An original picture (EVo) is subjected to spatial analysis to **detect** and locate speakers **lip** movements. The results of this and of temporal analysis of their speech intervals are translated...

...The receiver extracts the various sets of data and displays a modified picture (EVt) with **audio** reprodn. of the translation (ES't) subject to the semantic constraint (13) only, the visual...

...ADVANTAGE - Viewer sees movements of speakers lips which are linked directly to reproduced **audio** signal, and not to voices of original speakers. (13pp dwg.No 3/8)

...Title Terms: **AUDIO** ;

File 2:INSPEC 1969-2004/Sep W3
(c) 2004 Institution of Electrical Engineers

File 6:NTIS 1964-2004/Sep W4
(c) 2004 NTIS, Intl Cpyrght All Rights Res

File 8:EI Compendex(R) 1970-2004/Sep W3
(c) 2004 Elsevier Eng. Info. Inc.

File 34:SciSearch(R) Cited Ref Sci 1990-2004/Sep W4
(c) 2004 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2004/Aug
(c) 2004 ProQuest Info&Learning

File 65:Inside Conferences 1993-2004/Sep W4
(c) 2004 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2004/Aug W5
(c)2004 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2004/Jun W1
(c) 2004 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Aug
(c) 2004 The HW Wilson Co.

File 144:Pascal 1973-2004/Sep W3
(c) 2004 INIST/CNRS

File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.

File 239:Mathsci 1940-2004/Nov
(c) 2004 American Mathematical Society

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2004/Sep 30
(c) 2004 ProQuest Info&Learning

File 248:PIRA 1975-2004/Sep W3
(c) 2004 Pira International

Set	Items	Description
S1	59598	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT????? OR C- CONVERSION?? OR TRANSFORM?????) (3N) (IMAGE??? OR PHOTOGRAPH?? OR PICTURE? ? OR DRAWING?.? OR JPG?? OR TIFF?? OR JPEG?? OR GIF)
S2	2319	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT????? OR C- CONVERSION?? OR TRANSFORM?????) (3N) (PIXEL?? OR PEL OR (PICTURE?- ?)ELEMENT??) OR SUB()PIX?? OR SUBPIXEL??)
S3	7769813	(RECOGNI???? OR EXTRACT???? OR DETECT??? OR SENSING OR RET- RIEV??? OR IDENTIF???? OR IDENTIFICATION??)
S4	554921	S3(5N) (FEATUR??? OR CHARACTER?????? OR ASPECT??? OR ATTRIB- UTE?? OR ELEMENT??? OR COMPONENT??? OR DETAIL??? OR NOSE?? OR EAR OR EARS OR LIP?? OR EYE?? OR FACE??)
S5	1380519	MUSIC?? OR SOUND?? OR AUDIO?? OR SONG?? OR TUNE?? OR MELOD- Y?? OR POLYPHON??? OR TONE?? OR CHORD??
S6	24	AU='CRONLY-DILLON J':AU='CRONLY-DILLON, JOHN RONALD'
S7	29	AU='CRONLYDILLION JR':AU='CRONLYDILLON JR'
S8	53	S6 OR S7
S9	61203	S1 OR S2
S10	505	S9(5N)S5
S11	20	S10 AND S4
S12	15	RD (unique items)
S13	1949	S9 AND S5
S14	20	S10 AND S4
S15	0	S14 NOT S11
S16	4	S8 AND S9
S17	4	RD (unique items)

S18

4 S17 AND S5

12/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7590970 INSPEC Abstract Number: B2003-05-6130E-022, C2003-05-6180-016

Title: Audio-to-visual conversion using hidden Markov models

Author(s): Soonkyu Lee; DongSuk Yook
Author Affiliation: Dept. of Comput. Sci. & Eng., Korea Univ., Seoul, South Korea

Conference Title: PRICAI 2002: Trends in Artificial Intelligence. 7th Pacific Rim International Conference on Artificial Intelligence. Proceedings (Lecture Notes in Artificial Intelligence Vol.2417) p.563-70

Editor(s): Ishizuka, M.; Sattar, A.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 2002 Country of Publication: Germany xx+623 pp.

ISBN: 3 540 44038 0 Material Identity Number: XX-2002-02178

Conference Title: PRICAI-02. Seventh Pacific Rim International Conference on Artificial Intelligence

Conference Sponsor: Japanese Soc. Artificial Intelligence

Conference Date: 18-22 Aug. 2002 Conference Location: Tokyo, Japan

Language: English

Subfile: B C

Copyright 2003, IEE

Abstract: We describe audio-to-visual conversion techniques for efficient multimedia communications. The **audio** signals are automatically **converted** to visual **images** of mouth shape. The visual speech can be represented as a sequence of visemes, which...

...Descriptors: **feature extraction** ;

12/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7189934 INSPEC Abstract Number: A2002-07-4370F-001, B2002-03-6130E-045, C2002-03-1250C-029

Title: Large-vocabulary audio-visual speech recognition: a summary of the Johns Hopkins Summer 2000 Workshop

Author(s): Neti, C.; Potamianos, G.; Luetttin, J.; Matthews, I.; Glotin, H.; Vergyri, D.

Author Affiliation: IBM Thomas J. Watson Res. Center, Yorktown Heights, NY, USA

Conference Title: 2001 IEEE Fourth Workshop on Multimedia Signal Processing (Cat. No.01TH8564) p.619-24

Editor(s): Dugelay, J-L; Rose, K.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2001 Country of Publication: USA xvi+640 pp.

ISBN: 0 7803 7025 2 Material Identity Number: XX-2001-02356

U.S. Copyright Clearance Center Code: 0-7803-7025-2/01/\$101.00

Conference Title: 2001 IEEE Fourth Workshop on Multimedia Signal Processing

Conference Sponsor: IEEE Signal Process. Soc

Conference Date: 3-5 Oct. 2001 Conference Location: Cannes, France

Language: English

Subfile: A B C

Copyright 2002, IEE

...Abstract: large-vocabulary, continuous speech domain. Two problems of audio-visual ASR were mainly addressed: visual **feature extraction** and

audio -visual information fusion. First, **image transform** and model-based visual features were considered, obtained by means of the discrete cosine transform...

...Descriptors: **feature extraction** ;

...Identifiers: visual **feature extraction** ;

12/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6955568 INSPEC Abstract Number: B2001-07-6135C-101, C2001-07-5260B-308

Title: Facial expression transformation based on sketch image and multiscale edges

Author(s): Yuanzhong Li; Kobatake, H.

Author Affiliation: Fac. of Technol., Tokyo Univ. of Agric. & Technol., Japan

Journal: Electronics and Communications in Japan, Part 3 (Fundamental Electronic Science) vol.84, no.9 p.67-75

Publisher: Scripta Technica,

Publication Date: 2001 Country of Publication: USA

CODEN: ECJUSER ISSN: 1042-0967

SICI: 1042-0967(2001)84:9L:67:FETB;1-K

Material Identity Number: N562-2001-004

Language: English

Subfile: B C

Copyright 2001, IEE

...Abstract: generalized symmetry operator, the rectangle filter, and a geometrical template. Therefore, it is possible to **transform** the binary sketch **image** into gray- **tone** multiscale edge images which are called characterized sketch images. The expression of the characterized facial...

Descriptors: **feature extraction** ;

...Identifiers: **feature extraction** ;

12/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

04382676 INSPEC Abstract Number: C9305-7104-005

Title: A document segmentation, classification and recognition system

Author(s): Shih, F.Y.; Chen, S.-S.; Hung, D.C.D.; Ng, P.A.

Author Affiliation: Dept. of Comput. & Inf. Sci., New Jersey Inst. of Technol., Newark, NJ, USA

Conference Title: ICSI '92. Proceedings of the Second International Conference on Systems Integration (Cat. No.92TH0444-0) p.258-67

Editor(s): Ng, P.A.; Seifert, L.C.; Ramamoorthy, C.V.; Yeh, R.T.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1992 Country of Publication: USA xx+746 pp.

ISBN: 0 8186 2697 6

U.S. Copyright Clearance Center Code: 0 8186 2697 6/92\$03.00

Conference Sponsor: IEEE; New Jersey Inst. Technol.; ACM

Conference Date: 15-18 June 1992 Conference Location: Morristown, NJ, USA

Language: English

Subfile: C

...Abstract: projection profiles, and which are translated into ASCII codes through a font- and size-independent **character recognition**

subsystem. Logo pictures discriminated from half- **tone** pictures are identified and **converted** into symbolic words. The experimental results show that the proposed system is capable of correctly...

...Identifiers: size-independent **character recognition** subsystem...

12/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00987481 INSPEC Abstract Number: A76088453, B76049587, C76030881

Title: A resolution preserving textural transform for images (geomorphology)

Author(s): Haralick, R.M.

Author Affiliation: Dept. of Electrical Engng., Univ. of Kansas, Lawrence, KS, USA

Conference Title: Proceedings of the conference on computer graphics, pattern recognition, and data structure p.51-61

Publisher: IEEE, New York, NY, USA

Publication Date: 1975 Country of Publication: USA ix+390 pp.

Conference Sponsor: IEEE; ACM; Univ. Calif

Conference Date: 14-16 May 1975 Conference Location: Los Angeles, CA, USA

Language: English

Subfile: A B C

...Abstract: image dependent two-dimensional non linear spatial filter designed to be a resolution preserving textural **feature extractor** for image data. The textural transform is based on the neighboring grey **tone** co-occurrence properties of the **image** to be **transformed**. Classification experiments with the textural transform on satellite multi-spectral scanner imagery over forested areas...

...Identifiers: **feature extractor** ;

12/3,K/6 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05945247 E.I. No: EIP01476742246

Title: Principle of color reproduction in printing by the method of proportional tone compression: The process system by numerical calculation

Author: Nonaka, M.; Numakura, T.; Kitazawa, S.

Corporate Source: Faculty of Engineering Tokyo Institute of Polytechnics, Tokyo, Japan

Conference Title: TAGA'S 53rd Annual Technical Conference

Conference Location: San Diego, CA, United States Conference Date: 20010506-20010509

E.I. Conference No.: 58714

Source: Proceedings of the Technical Association of the Graphic Arts, TAGA 2001. p 408-425

Publication Year: 2001

Language: English

...Abstract: paper, we present the method of outputting the C, M, Y and Bk dot areas **converted** from the **image** signal harvested from a continuous **tone** color original by a scanner using proportional tone compression (Numakura-Yamatoya equation). The Numakura-Yamatoya...

Descriptors: Color printing; Optical data processing; Ink; Light absorption; Color image processing; Scanning; Optical **character**

recognition ; Numerical analysis

12/3,K/7 (Item 2 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05883723 E.I. No: EIP01366639191

Title: Hidden Markov model inversion for audio-to-visual conversion in an MPEG-4 facial animation system

Author: Choi, K.; Luo, Y.; Hwang, J.-N.

Corporate Source: Information Processing Lab Department of Electrical Engineering University of Washington, Seattle, WA 98195-2500, United States

Source: Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology v 29 n 1-2 August/September 2001. p 51-61

Publication Year: 2001

CODEN: JVSPED ISSN: 0922-5773

Language: English

Descriptors: Image coding; Animation; **Face recognition** ; Markov processes; Virtual reality; Speech processing; Visual communication; **Feature extraction** ; Probability distributions; Algorithms; Maximum likelihood estimation

Identifiers: Hidden Markov mode inversion; **Audio-to-visual conversion** ; Moving **picture** experts group; Facial animation system; Synthetic video; Virtual conference system

12/3,K/8 (Item 3 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05852072 E.I. No: EIP01286575422

Title: Facial expression transformation based on sketch image and multiscale edges

Author: Li, Y.; Kobatake, H.

Corporate Source: Faculty of Technology Tokyo Univ. of Agric. and Technology, Koganei 184-8588, Japan

Source: Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English translation of Denshi Tsushin Gakkai Ronbunshi) v 84 n 9 2001. p 67

Publication Year: 2001

CODEN: ECJSER ISSN: 1042-0967

Language: English

...Abstract: generalized symmetry operator, the rectangle filter, and a geometrical template. Therefore, it is possible to **transform** the binary sketch **image** into gray- **tone** multiscale edge images which are called characterized sketch images. The expression of the characterized facial...

Descriptors: **Face recognition** ; Edge **detection** ; **Feature extraction** ; Wavelet transforms; Image reconstruction

12/3,K/9 (Item 4 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05822998 E.I. No: EIP01226521256

Title: Extracting halftones from scanned color documents and converting into continuous form

Author: Byun, J.; Han, Y.; Kim, M.
Corporate Source: Dept. of Computer Eng. Pusan National University,
Pusan, South Korea
Conference Title: Document Recognition and Retrieval VIII
Conference Location: San Jose, CA, United States Conference Date:
20010124-20010125
E.I. Conference No.: 58044
Source: Proceedings of SPIE - The International Society for Optical
Engineering v 4307 2001. p 138-148
Publication Year: 2001
CODEN: PSISDG ISSN: 0277-786X
Language: English

...Abstract: this paper is to propose a procedure that automatically
extracts color halftones from a document **image** and then **converts** them
into continuous- **tone** images. An extraction method of color halftones is
proposed, which is based on analysis of...
...is also applicable to extract arbitrarily shaped halftone regions. The
extracted halftone regions are then **converted** into continuous- **tone**
images by using the color inverse halftoning that is proposed in our
previous work**1**0...

Descriptors: **Feature extraction** ; Optical **character recognition** ;
Image analysis; Color image processing; Fast Fourier transforms; Scanning;
World Wide Web; Information retrieval

12/3,K/10 (Item 5 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

02704449 E.I. Monthly No: EI8902013996

**Title: Sectors of a binary image used for noise insensitive pattern
recognition.**

Author: Pantelic, Dejan V.
Corporate Source: Inst of Physics Belgrade, Belgrade, Yugosl
Source: Optics Communications v 68 n 4 Oct 15 1988 p 257-262
Publication Year: 1988
CODEN: OPCOB8 ISSN: 0030-4018
Language: English

...Abstract: is suitable for image recognition is proposed. Like in the
case of Radon, Hough or **Chord transform**, the **image** is scanned with
lines of various positions and orientations. To each line an area of...

...Descriptors: Image Analysis; MATHEMATICAL TRANSFORMATIONS; **CHARACTER
RECOGNITION**, OPTICAL

12/3,K/11 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

01532431 Genuine Article#: HG008 No. References: 46

**Title: A GENERALIZED WAVELET TRANSFORM FOR FOURIER-ANALYSIS - THE
MULTIRESOLUTION FOURIER-TRANSFORM AND ITS APPLICATION TO IMAGE AND
AUDIO SIGNAL ANALYSIS**

Author(s): WILSON R; CALWAY AD; PEARSON ERS
Corporate Source: UNIV WARWICK,DEPT COMP SCI/COVENTRY CV4 7AL/W
MIDLANDS/ENGLAND/
Journal: IEEE TRANSACTIONS ON INFORMATION THEORY, 1992, V38, N2 (MAR), P
674-690

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: power to deal with signal events which are localized in either time/space or frequency. **Feature extraction** and segmentation are tackled through the introduction of a class of multiresolution Markov models, whose...

12/3,K/12 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

04625527 JICST ACCESSION NUMBER: 00A0575454 FILE SEGMENT: JICST-E

Image-Data Watermarking by Embedding a Fresnel-Transformed Pattern.

KANG S (1); AOKI Y (1)

(1) Hokkaido Univ., Hokkaido, Jpn

Eizo Joho Medeia Gakkaishi(Journal of the Institute of Image Information and Television Engineers), 2000, VOL.54,NO.5, PAGE.709-716, FIG.14, TBL.2, REF.10

JOURNAL NUMBER: F0330ACX ISSN NO: 1342-6907

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: Watermarking techniques embed hidden information imperceptibly in data which represents images and **sounds**. The original **image** is generally **transformed** so that coded watermark data can be embedded in the frequency domain. In this paper...

...DESCRIPTORS: **feature extraction** ;

12/3,K/13 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

03445026 JICST ACCESSION NUMBER: 98A0081934 FILE SEGMENT: JICST-E

Detection of motion by wavelet spatial filter for an acoustic visual aid system.

KOBAYASHI MAKOTO (1); OTA MICHIO (2)

(1) Tsukubagijutsutankidaigaku; (2) Univ. of Tsukuba, Inst. of Struct. Eng.

Jido Seigyo Rengo Koenkai Maezuri, 1997, VOL.40th, PAGE.445-446, FIG.2, REF.4

JOURNAL NUMBER: F0989BAQ

UNIVERSAL DECIMAL CLASSIFICATION: 616/618-76/78 681.3:621.397.3

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

...ABSTRACT: of an acoustic visual aid system, we have made basic studies on a system that **transforms images** to an array of **sound** sources. Here we intended to display moving bodies, and proposed a simple algorithm by wavelet...

...DESCRIPTORS: **feature extraction** ;

12/3,K/14 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-302561

(43)Date of publication of application : 26.10.1992

(51)Int.Cl.

H04M 11/00

(21)Application number : 03-091647

(71)Applicant : TOSHIBA CORP

(22)Date of filing : 29.03.1991

(72)Inventor : TSURUTA YUZO

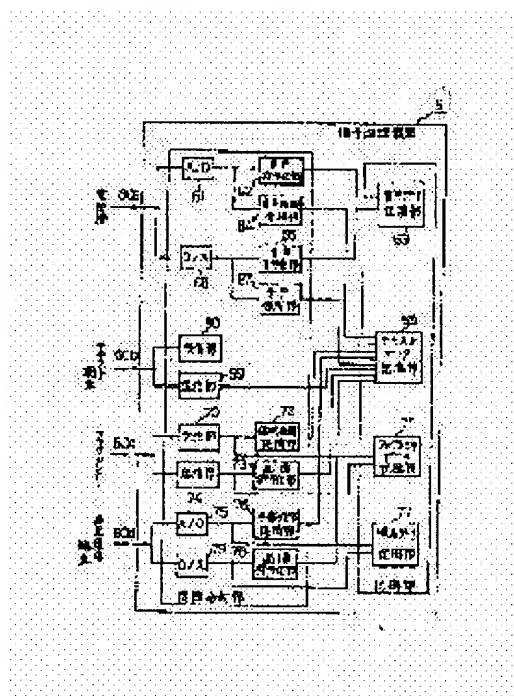
(54) MULTI-MEDIA COMMUNICATION SYSTEM

(57)Abstract:

PURPOSE: To execute the communication between each terminal of different kinds of media.

CONSTITUTION: In the system which can execute a communication at least between each communication terminal of the same kind of media by connecting various media such as a voice terminal, a text terminal for executing a data communication, an image communication terminal for giving and receiving image information, etc., it is constituted of a processor 6 containing a data converting means 64 for receiving a sound signal, recognizing it as a voice, analyzing it, converting it to text data (text data) and outputting it, image recognizing/converting means 72, 76 for receiving an image information signal, extracting character

information, recognizing a character pattern, converting it to the text data corresponding to a result of recognition and outputting it, a voice synthesizing means 67 for converting these output text data to a sound signal and outputting it, and image conversion output means 73, 78 for converting the output text data to image information and outputting it, and an exchange means for confirming the media of the other party terminal at the time of communication, giving an output of the transmitting terminal to the processor, and also, controlling the processor in order to convert it to a signal corresponding to the media of a receiving terminal and sending the converted output to the receiving terminal.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

(c) 2004 FIZ TECHNIK. All rts. reserv.

01737976 20030405394

Fourier descriptor features for acoustic landmine detection

Keller, JM; Cheng Zhanqi; Gader, PD; Hocaoglu, AK
Dept. of Comput. Engng. & Comput. Sci., Missouri Univ., USA
Detection and Remediation Technologies for Mines and Minelike Targets VII,
1-5 April 2002, Orlando, FL, USA Proceedings of the SPIE - The International
Society for Optical Engineering, v4742, n3, pp673-684, 2002
Document type: Conference paper Language: English
Record type: Abstract
ISSN: 0277-786X

Fourier descriptor features for acoustic landmine detection

ABSTRACT:

...combination of order statistics (LOS) filter, thresholding, and 2D and 3D connected labeling. Contours are **extracted** from the connected **components** and aggregated to produce evenly spaced boundary points. Two types of Normalized Fourier Descriptors are...

...of features are required to effectively separate landmines from background and clutter using simple pattern **recognition** algorithms.

Details of the experiments are included.

DESCRIPTORS: ULTRASONIC IMAGING; CLUTTERS; **FEATURE EXTRACTION** ; **FOURIER TRANSFORMS** ; **IMAGE CLASSIFICATION**; LASER MEASUREMENT; **SOUND LOCATION**; DOPPLER LASER ANEMOMETERS; OSCILLATION MEASUREMENT; FORM PARAMETER; THRESHOLD VALUE

12/3,K/15 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

05394288

Un scanner pour les portatifs

FRANCE - HAND-HELD SCANNER FROM RANGER

Monde Informatique (LMI) 12 October 1992 p26

ISSN: 0242-5769

Language: French

...mm/sec in 400 dpi and at 99 mm/sec in 100 dpi, and half- **tone images** can be **converted** to 32 shades of grey. The scanner is supplied with Fascinator image processing and **character recognition** software for around FFrl,600.

18/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

09172587 Genuine Article#: 373LE No. References: 19

Title: Blind subjects construct conscious mental images of visual scenes encoded in musical form

Author(s): **CronlyDillon J (REPRINT)** ; Persaud KC; Blore R

Corporate Source: UNIV MANCHESTER, INST SCI & TECHNOL, DEPT OPTOMETRY & NEUROSCI/MANCHESTER M60 1QD/LANCS/ENGLAND/ (REPRINT); UNIV MANCHESTER, INST SCI & TECHNOL, DEPT INSTRUMENTAT & ANALYT SCI/MANCHESTER M60 1QD/LANCS/ENGLAND/

Journal: PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES, 2000, V267, N1458 (NOV 7), P2231-2238

ISSN: 0962-8452 Publication date: 20001107

Publisher: ROYAL SOC LONDON, 6 CARLTON HOUSE TERRACE, LONDON SW1Y 5AG, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: Blind subjects construct conscious mental images of visual scenes encoded in musical form

Author(s): **CronlyDillon J (REPRINT)** ; Persaud KC; Blore R

...Abstract: subjects are able to analyse, describe and graphically represent a number of high-contrast visual **images translated** into **musical** form de novo. We presented **musical** transforms of a random assortment of photographic images of objects and urban scenes to such ...

...navigating a route to a particular destination. Our blind subjects were able to use the **sound** representation to construct a conscious mental image that was revealed by their ability to depict...

...form a representation that is stable across eye movements and the way a succession of **image** frames (**encoded in sound**) which depict different portions of the image are integrated to form a seamless mental image...

...profound resemblance between the way a professional musician carries out a structural analysis of a **musical** composition in order to relate its structure to the perception of **musical** form and the strategies used by our blind subjects in isolating structural features that collectively...

18/3,K/2 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

08780082 Genuine Article#: 300HF No. References: 0

Title: Blind subjects analyse photo images of urban scenes encoded in musical form.

Author(s): **CronlyDillion JR** ; Persaud KC; Blore RW; Gregory RP; Harvey K

Corporate Source: UMIST,/MANCHESTER M60 1QD/LANCS/ENGLAND/

Journal: INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, 2000, V41, N4,S (MAR 15), P62960-62960

ISSN: 0146-0404 Publication date: 20000315

Publisher: ASSOC RESEARCH VISION OPHTHALMOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998

Language: English Document Type: MEETING ABSTRACT

Title: Blind subjects analyse photo images of urban scenes encoded in musical form.

Author(s): **CronlyDillion JR** ; Persaud KC; Blore RW; Gregory RP; Harvey K

18/3,K/3 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

08559868 Genuine Article#: 294XZ No. References: 3

Title: Blind subjects analyse visual images encoded in sound

Author(s): **CronlyDillion J** ; Persaud K

Corporate Source: UMIST,DEPT OPT & NEUROSCI/MANCHESTER M60

1QD/LANCS/ENGLAND/; UMIST,DEPT INSTRUMENTAT & ANALYT SCI/MANCHESTER M60

1QD/LANCS/ENGLAND/

Journal: JOURNAL OF PHYSIOLOGY-LONDON, 2000, V523, S (FEB), PP68-P69

ISSN: 0022-3751 Publication date: 20000200

Publisher: CAMBRIDGE UNIV PRESS, 40 WEST 20TH STREET, NEW YORK, NY

10011-4211

Language: English Document Type: MEETING ABSTRACT

Title: Blind subjects analyse visual images encoded in sound

Author(s): **CronlyDillion J** ; Persaud K

18/3,K/4 (Item 4 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

08292904 Genuine Article#: 267CW No. References: 19

Title: The perception of visual images encoded in musical form: a study in cross-modality information transfer

Author(s): **CronlyDillion J (REPRINT)** ; Persaud K; Gregory RPF

Corporate Source: UMIST,DEPT OPTOMETRY & NEUROSCI/MANCHESTER M60

1QD/LANCS/ENGLAND/ (REPRINT); UMIST,DEPT INSTRUMENTAT & ANALYT

SCI/MANCHESTER M60 1QD/LANCS/ENGLAND/

Journal: PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES, 1999, V266, N1436 (DEC 7), P2427-2433

ISSN: 0962-8452 Publication date: 19991207

Publisher: ROYAL SOC LONDON, 6 CARLTON HOUSE TERRACE, LONDON SW1Y 5AG, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE).

Title: The perception of visual images encoded in musical form: a study in cross-modality information transfer

Author(s): **CronlyDillion J (REPRINT)** ; Persaud K; Gregory RPF

...Abstract: blindfolded (sighted) subjects in reconstructing and identifying a number of visual targets transformed into equivalent **musical** representations. Visual images are deconstructed through a process which selectively segregates different features of the image into separate packages. These are then encoded in **sound** and presented as a **polyphonic musical melody** which resembles a Baroque fugue with many voices, allowing subjects to analyse the component voices...

...high-contrast line drawings of man-made objects, natural and urban scenes, etc., translated into **sound** and presented to the subject in **polyphonic musical** form.

File 348:EUROPEAN PATENTS 1978-2004/Sep W03

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040930,UT=20040923

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	38501	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT???? OR C- ONVERSION?? OR TRANSFORM????)(3N)(IMAGE??? OR PHOTOGRAPH?? OR PICTURE? ? OR DRAWING? ? OR JPG?? OR TIFF?? OR JPEG?? OR GIF)
S2	8528	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT???? OR C- ONVERSION?? OR TRANSFORM????)(3N)(PIXEL?? OR PEL OR (PICTURE?- ?())ELEMENT??) OR SUB()PIX?? OR SUBPIXEL??)
S3	930834	(RECOGNI???? OR EXTRACT???? OR DETECT??? OR SENSING OR RET- RIEV??? OR IDENTIF???? OR IDENTIFICATION??)
S4	239258	S3(5N)(FEATUR??? OR CHARACTER?????? OR ASPECT??? OR ATTRIB- UTE?? OR ELEMENT??? OR COMPONENT??? OR DETAIL??? OR NOSE?? OR EAR OR EARS OR LIP?? OR EYE?? OR FACE??)
S5	229527	MUSIC?? OR SOUND?? OR AUDIO?? OR SONG?? OR TUNE?? OR MELOD- Y?? OR POLYPHON??? OR TONE?? OR CHORD??
S6	1	AU=(PERSUAD K? OR PERSUAD, K? OR CRONLY-DILLON J? OR CRONL- Y-DILLON, J?)
S7	2	AU='CRONLY':AU='CRONLY-DILLON JOHN RONALD'
S8	2	S6 OR S7
S9	1	S8 AND (S1 OR S2)
S10	0	S9 NOT S6
S11	41398	S1 OR S2
S12	1572	S11(5N)S5
S13	35	S12(S)S4
S14	18	S13 NOT AY>1998
S15	4373	S11(S)S5
S16	222	S15(S)S4
S17	2	S16 AND IC=A61F?
S18	1	S17 NOT (S6 OR S14)
S19	8	(S11 AND S5 AND S4)/AB
S20	7	S19 NOT (S14 OR S17 OR S6)

6/5,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00526735

VISUALISING IMAGES

VISUALISATION D'IMAGES

Patent Applicant/Assignee:

UNIVERSITY OF MANCHESTER INSTITUTE OF SCIENCE AND;TECHNOLOGY,
PERSAUD Krishna Chandra,
CRONLY-DILLON John Ronald,

Inventor(s):

PERSAUD Krishna Chandra,
CRONLY-DILLON John Ronald

Patent and Priority Information (Country, Number, Date):

Patent: WO 9958087 A2 19991118

Application: WO 99GB1506 19990512 (PCT/WO GB9901506)

Priority Application: GB 989986 19980512

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Main International Patent Class: A61F-009/08

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7948

English Abstract

There is disclosed a method enabling a person to visualise images comprising the steps of: encoding spatial information relating to a feature or features contained within an image into the form of one or more musical sequences; and playing the musical sequence or sequences to the person.

French Abstract

On decrit un procede qui permet a une personne de visualiser des images. Le procede consiste a coder sous forme d'une ou plusieurs sequence(s) musicale(s) une information spatiale relative a un ou des attribut(s) contenu(s) dans une image. Le procede consiste ensuite a jouer la ou les sequence(s) musicale(s) a ladite personne.

Inventor(s):

... **CRONLY-DILLON John Ronald**

14/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01752676

Systems and methods for secure transaction management and electronic rights protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

PATENT ASSIGNEE:

ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway,
Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville Maryland 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda Maryland 20814, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito California 94530, (US)
van Wie, David M., 1250 Lakeside Drive, Sunnyvale California 94086, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane,
London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1431864 A2 040623 (Basic)

APPLICATION (CC, No, Date): EP 2004075701 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 77

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200426	1450
SPEC A	(English)	200426	166929
Total word count - document A			168379
Total word count - document B			0
Total word count - documents A + B			168379

...SPECIFICATION payments;

C electronic legal contracts;

C distribution of "content" such as electronic printed matter, video, audio, images and computer programs; and

C secure communication of private information such as medical records and...602 also provides a tagging and sequencing scheme that may be used within the loadable component assemblies 690 to detect tampering by substitution. Each element comprising a component assembly 690 may be loaded into an SPU 500, decrypted using encrypt...

...objectives, transaction types and client requirements. In addition, the ability to dynamically assemble independently deliverable components at execution time based on particular objects and users provides a high degree of flexibility...

...remotely) VDE objects 300. In the preferred embodiment, the object switch may include the following elements :

a stream router 758;
a real time stream interface(s) 760 (which may be connected...

14/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01205863

Initiating a link between computers based on the decoding of an address
steganographically embedded in an audio object
Verbindungsherstellung zwischen Computern beruhend auf der Dekodierung
einer steganographisch in einem Audioobjekt eingebetteten Adresse
Initialisation d'une liaison entre ordinateurs basee sur le decodage d'une
adresse enrobee steganographiquement dans un objet audio.

PATENT ASSIGNEE:

Digimarc Corporation, (2160504), 19801 SW 72nd Avenue, Suite 250,
Tualatin, Oregon 97062, (US), (Proprietor designated states: all)

INVENTOR:

Rhoads, Geoffrey B., 304 S.W. Tualatin Loop, West Linn, Oregon 97068,
(US)

LEGAL REPRESENTATIVE:

Meddle, Alan Leonard (33761), FORRESTER & BOEHMERT, Pettenkoferstrasse
20-22, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1049320 A1 001102 (Basic)
EP 1049320 A8 010502
EP 1049320 B1 030102

APPLICATION (CC, No, Date): EP 2000116604 960507;

PRIORITY (CC, No, Date): US 436102 950508; US 508083 950727; US 512993
950809; US 534005 950925; US 637531 960425

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 824821 (EP 96917808)

INTERNATIONAL PATENT CLASS: H04N-001/32

ABSTRACT WORD COUNT: 69

NOTE:

Figure number on first page: 27

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200044	548
CLAIMS B	(English)	200301	492
CLAIMS B	(German)	200301	466
CLAIMS B	(French)	200301	557
SPEC A	(English)	200044	55094
SPEC B	(English)	200301	104797
Total word count - document A			55650
Total word count - document B			106312
Total word count - documents A + B			161962

...SPECIFICATION codes, and other index based message carrying. The
information carrying capacity of "invisible signatures" inside **imagery**
and **audio** is somewhat limited, however, and thus it would be wise to
use our N bits...2, and the gain control 226 of Fig. 6. Those practiced
in the art of **image** and **audio** information theory can recognize that
the whole of Fig. 15 can be summarized as attempting...of embedded code
signals will undoubtedly borrow heavily from this generic field of known
signal **detection**. A common and well-known technique in this field is
the so-called "matched filter...the subject imagery is in. These issues

are quite common in the fields of optical **character recognition** and object **recognition**, and these fields should be consulted for further tools and tricks in furthering the engineering...the subject imagery is in. These issues are quite common in the fields of optical **character recognition** and object **recognition**, and these fields should be consulted for further tools and tricks in furthering the engineering...

14/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00956480

APPARATUS AND METHOD OF GENERATING BIT STREAM FOR INFORMATION RECORDING
DISC STORAGE WHICH ENABLES SEAMLESS REPRODUCTION OF A PLURALITY OF
PIECES OF IMAGE INFOR

NAHTLOSE WIEDERGABE EINER VIELZahl VON BILDINFORMATIONEN ERMOGLICHENDES
GERAT UND VERFAHREN ZUR ERZEUGUNG VON BITSTROMEN FUR EINEN
INFORMATIONSAUFZEICHNENDEN PL

APPAREIL ET PROCEDE DE GENERATION DE TRAIN DE BITS POUR MEMOIRE A DISQUE
D'ENREGISTREMENT DE DONNEES PERMETTANT UNE REPRODUCTION CONTINUE DE
PLUSIEURS PIECES DE

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma,
Kadoma-shi, Osaka-fu, 571, (JP), (applicant designated states:
DE;FR;GB)

INVENTOR:

YAMAUCHI, Kazuhiko, 19-1-407, Ishizuminamimachi, Neyagawa-shi, Osaka 572,
(JP)

OKADA, Tomoyuki, 6-101, Myoukenzaka 6-chome, Katano-shi, Osaka 576, (JP)

KOZUKA, Masayuki, 19-1-1207, Ishizuminamimachi, Neyagawa-shi, Osaka 572,
(JP)

UESAKA, Yasushi, 16-16, Tsutsujigaokakita 2-chome, Sanda-shi, Hyogo 669-16
, (JP)

MURASE, Kaoru-Room 105, Prejirukurihara, 8-29, Meyasukita
2-chome, Ikarugacho, Ikoma-gun, Nara 636-0133, (JP)

LEGAL REPRESENTATIVE:

Crawford, Andrew Birkby et al (29762), A.A. THORNTON & CO. Northumberland
House 303-306 High Holborn, London WC1V 7LE, (GB)

PATENT (CC, No, Kind, Date): EP 877377 A1 981111 (Basic)
WO 9821722 980522

APPLICATION (CC, No, Date): EP 97912421 971112; WO 97JP4105 971112

PRIORITY (CC, No, Date): JP 96301573 961113

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G11B-027/031; H04N-005/72; H04N-005/91;

ABSTRACT WORD COUNT: 116

LANGUAGE (Publication, Procedural, Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9846	1985
SPEC A	(English)	9846	23209
Total word count - document A			25194
Total word count - document B			0
Total word count - documents A + B			25194

...SPECIFICATION shown in FIG.4B, is composed of a video elementary encode
unit 14a, an audio **elementary** encode unit 14b, an **audio** extraction
unit 14c, a sub- **picture elementary** encode unit 14d, and an encode
control unit 14e. The elementary encode unit 14 also connects...

14/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00885926

Image combining apparatus and method
Bildkombinationsgerat und -verfahren
Appareil et procede de combinaison d'images

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,
Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Katayama, Tatsushi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,
Ohta-ku, Tokyo, (JP)
Takiguchi, Hideo, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,
Ohta-ku, Tokyo, (JP)
Yano, Kotaro, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku,
Tokyo, (JP)
Hatori, Kenji, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,
Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick
Court, High Holborn, London WC1R 5DH, (GB)

PATENT (CC, No, Kind, Date): EP 810776 A2 971203 (Basic)
EP 810776 A3 981125
EP 810776 B1 031015

APPLICATION (CC, No, Date): EP 97303567 970527;

PRIORITY (CC, No, Date): JP 96133642 960528; JP 96260200 960910

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04N-001/407; H04N-001/387

ABSTRACT WORD COUNT: 125

NOTE:

Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199711W4	1316
CLAIMS B	(English)	200342	1380
CLAIMS B	(German)	200342	1177
CLAIMS B	(French)	200342	1584
SPEC A	(English)	199711W4	10513
SPEC B	(English)	200342	10444

Total word count - document A 11831

Total word count - document B 14585

Total word count - documents A + B 26416

...SPECIFICATION extracts corresponding points from two input images; a
corresponding-point-selecting unit 225 which removes **components** which
are erroneously **detected** as corresponding points from a set of
corresponding points extracted by the corresponding-point-extracting...

...estimates parameters for combining images; a
correction-coefficient-determining unit 230 which determines coefficients
for **tone** correction of the **image**; **tone converting** units 231 and
232 which respectively correct tones of input images a and b; and an
image combining unit 250 which combines two **images** on which **tone**
conversion has been performed.

Images a and b are respectively input to the input terminals 210a and
210b. The input...

...SPECIFICATION extracts corresponding points from two input images; a corresponding-point-selecting unit 225 which removes **components** which are erroneously **detected** as corresponding points from a set of corresponding points extracted by the corresponding-point-extracting...

...estimates parameters for combining images; a correction-coefficient-determining unit 230 which determines coefficients for **tone** correction of the **image**; **tone converting** units 231 and 232 which respectively correct tones of input images a and b; and an image combining unit 250 which combines two **images** on which **tone conversion** has been performed.

Images a and b are respectively input to the input terminals 210a and 210b. The input...

14/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00860617

A cylindrical Containers inner surface tester

Prüfvorrichtung der inneren Oberfläche eines zylindrischen Behalters

Dispositif pour examiner la surface interne d'un réservoir cylindrique

PATENT ASSIGNEE:

FUJI ELECTRIC CO., LTD., (231961), 1-1, Tanabeshinden Kawasaki-ku,
Kawasaki-shi Kanagawa 210, (JP), (applicant designated states:
DE;FR;GB)

INVENTOR:

Toyoma, Kouichi, 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa
210, (JP)

LEGAL REPRESENTATIVE:

DIEHL GLAESER HILTL & PARTNER (100232), Patentanwälte Königstrasse 28,
22767 Hamburg, (DE)

PATENT (CC, No, Kind, Date): EP 791822 A2 970827 (Basic)
EP 791822 A3 980930

APPLICATION (CC, No, Date): EP 97106885 920715;

PRIORITY (CC, No, Date): JP 91172940 910715; JP 91232093 910912; JP
91249946 910930; JP 91265134 911015

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 523664 (EP 921120887)

INTERNATIONAL PATENT CLASS: G01N-021/88; G06T-007/00; G01B-011/02;
G01N-021/90;

ABSTRACT WORD COUNT: 150

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9708W4	287
SPEC A	(English)	9708W4	11536
Total word count - document A			11823
Total word count - document B			0
Total word count - documents A + B			11823

...SPECIFICATION 1 or 2 for the continuous tone image signal 23a to generate an inverted continuous **tone image** signal, **converting** the signal to the continuous **tone image** signal 23a, and providing it for the defective peak/bottom determiner, thereby **detecting** a picture **element** having a defective peak/bottom without inverting the above

described polarity.

The cylindrical container's...

...1 or 2 for the continuous tone image signal 23a to generate an inverted continuous **tone image** signal, **converting** the signal to the continuous **tone image** signal 23a, and providing it for the black level defect determiner, thereby **detecting** a picture **element** having a white level defect through the black level defect determiner.

The cylindrical container's...

14/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00839462

Developing device

Entwicklungsgerat

Dispositif de developpement

PATENT ASSIGNEE:

MITA INDUSTRIAL CO. LTD., (283521), 2-28, Tamatsukuri 1-chome, Chuo-ku ,
Osaka 540, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Okajima, Shinzo, c/o Mita Industrial Co., Ltd., 2-28, 1-chome,

Tamatsukuri, Chuo-ku, Osaka 540, (JP)

Tanaka, Katsuya, c/o Mita Industrial Co., Ltd., 2-28, 1-chome,

Tamatsukuri, Chuo-ku, Osaka 540, (JP)

Ishitani, Yusuke, c/o Mita Industrial Co., Ltd., 2-28, 1-chome,

Tamatsukuri, Chuo-ku, Osaka 540, (JP)

Honda, Koji, c/o Mita Industrial Co., Ltd., 2-28, 1-chome, Tamatsukuri,

Chuo-ku, Osaka 540, (JP)

Kawano, Nobuaki, c/o Mita Industrial Co., Ltd., 2-28, 1-chome,

Tamatsukuri, Chuo-ku, Osaka 540, (JP)

LEGAL REPRESENTATIVE:

W.P. Thompson & Co. (101051), Coopers Building, Church Street, Liverpool
L1 3AB, (GB)

PATENT (CC, No, Kind, Date): EP 777158 A1 970604 (Basic)

APPLICATION (CC, No, Date): EP 96308364 961119;

PRIORITY (CC, No, Date): JP 95309623 951129

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G03G-015/08;

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	EPAB97	884
----------	-----------	--------	-----

SPEC A	(English)	EPAB97	7841
--------	-----------	--------	------

Total word count - document A	8725
-------------------------------	------

Total word count - document B	0
-------------------------------	---

Total word count - documents A + B	8725
------------------------------------	------

...SPECIFICATION zone, where it applies the developer to a latent electrostatic image to be developed, thereby **converting** the latent electrostatic **image** into a **toner** image by means of a toner. The toner feeding means feeds a toner into the...

...has occurred. The toner detecting means in customary use is a photointerrupter. Such a toner **detecting** means includes a light emitting **element** and a light receiving element. When an adequate amount of toner is present in the...

...feeding means decreases, light from the light emitting element is

received by the light receiving **element** , thereby **detecting** that the amount of the toner in the toner feeding means has decreased.
In the...

14/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00750799

Method and apparatus for minimizing artifacts in images produced by error diffusion halftoning utilizing ink reduction processing

Verfahren und Gerat zur Herabsetzung von Artefakten in mittels Halbtonfehlerdiffusion erzeugten Bildern unter Verwendung von Tintenverminderungsverarbeitung

Procede et appareil pour minimiser des defaults dans des images rendues en demi-teintes par diffusion d'erreurs utilisant un traitement de reduction d'encre

PATENT ASSIGNEE:

SEIKO EPSON CORPORATION, (730008), 4-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Shu, Joseph S., 5988 Rainbow Drive, San Jose, California, (US)

LEGAL REPRESENTATIVE:

Sturt, Clifford Mark et al (50502), Miller Sturt Kenyon 9 John Street, London WC1N 2ES, (GB)

PATENT (CC, No, Kind, Date): EP 707412 A2 960417 (Basic)
EP 707412 A3 970618
EP 707412 B1 020731

APPLICATION (CC, No, Date): EP 95307167 951011;

PRIORITY (CC, No, Date): US 320537 941011

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-001/405

ABSTRACT WORD COUNT: 76

NOTE:

Figure number on first page: 18

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1519
CLAIMS B	(English)	200231	2182
CLAIMS B	(German)	200231	2054
CLAIMS B	(French)	200231	2439
SPEC A	(English)	EPAB96	14849
SPEC B	(English)	200231	14972
Total word count - document A			16371
Total word count - document B			21647
Total word count - documents A + B			38018

...SPECIFICATION According to a first aspect of the present invention, there is provided a method of **converting** a continuous- **tone image** , represented as an array of electronically encoded n x m pixels comprising n row of...

...a binary raster suitable for electronic printing, n and m being positive integers, the method **characterised** by comprising:

A. **identifying** a series of pixels corresponding to a linear segment of the image, the identified pixels...

...SPECIFICATION According to a first aspect of the present invention, there is provided a method of **converting** a continuous- tone image , represented as an array of electronically encoded n x m pixels comprising n row of...to that of the encoded pixels, and n and m being positive integers, the method **characterised** by comprising:

A. **identifying** a series of pixels corresponding to a linear segment of the image, the identified pixels...

...CLAIMS A2

1. A method of **converting** a continuous- tone image , represented as an array of electronically encoded n x m pixels comprising n row of ...

...a binary raster suitable for electronic printing, n and m being positive integers, the method **characterised** by comprising:

A. **identifying** a series of pixels corresponding to a linear segment of the image, the identified pixels...

...CLAIMS B1

1. A method of **converting** a continuous- tone image , represented as an array of electronically encoded n x m pixels comprising n row of ...

...to that of the encoded pixels, and n and m being positive integers, the method **characterised** by comprising:

A. **identifying** a series of pixels corresponding to a linear segment of the image, the identified pixels...

14/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00658764

Image forming apparatus and method
Abbildungsgerat und -verfahren
Appareil et procede de formation d'images

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Seto, Kaoru, c/o Canon Kabushiki Kaisha, 30-2, 3-chome Shimomaruko, Ohta-ku, Tokyo, (JP)

Kashihara, Atsushi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome Shimomaruko, Ohta-ku, Tokyo, (JP)

Kawana, Takashi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome Shimomaruko, Ohta-ku, Tokyo, (JP)

Takebayashi, Manabu, c/o Canon Kabushiki Kaisha, 30-2, 3-chome Shimomaruko, Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. High Holborn 2-5 Warwick Court, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 633688 A2 950111 (Basic)
EP 633688 A3 950419
EP 633688 B1 010207

APPLICATION (CC, No, Date): EP 94303909 940531;

PRIORITY (CC, No, Date): JP 93134394 930604; JP 9494420 940506

DESIGNATED STATES: DE; ES; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: H04N-001/40

ABSTRACT WORD COUNT: 153

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200106	785
CLAIMS B	(German)	200106	648
CLAIMS B	(French)	200106	932
SPEC B	(English)	200106	17642
Total word count - document A			0
Total word count - document B			20007
Total word count - documents A + B			20007

...SPECIFICATION Y, Bk in synchronization with the /TOP signal
corresponding to each color.

When the black- **character detection** signal BLACK is "true" with
respect to a pixel for which the image data is...

...G=B, the image data is converted to data of the single color of Bk
toner ; at all other times the **image** data is **converted** to data of a
combination of the M, C, Y, Bk toners. However, when a...

...data of a combination of the M, C, Y, Bk toners irrespective of the
black- **character detection** signal BLACK.

Next, the converted B, C, Y, Bk 300 dpi, eight-bit image data...

14/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00626908

Container inner surface tester.

Prüfvorrichtung für die innere Oberfläche eines Behälters.

Dispositif pour contrôler la surface intérieure d'un récipient.

PATENT ASSIGNEE:

FUJI ELECTRIC CO., LTD., (231961), 1-1, Tanabeshinden Kawasaki-ku,
Kawasaki-shi Kanagawa 210, (JP), (applicant designated states:
DE;FR;GB)

INVENTOR:

Toyama,Kouichi,c/o Fuji Electric Co.Ltd., 1-1,Tanabeshinden,Kawasaki-ku,
Kawasaki-shi, Kanagawa 210, (JP)
Yamamura,Tatsuo,c/o Fuji Electric Co.Ltd., 1-1,Tanabeshinden,Kawasaki-ku,
Kawasaki-shi, Kanagawa 210, (JP)

LEGAL REPRESENTATIVE:

DIEHL GLAESER HILTL & PARTNER (100236), Patentanwälte Königstrasse 28,
D-22767 Hamburg, (DE)

PATENT (CC, No, Kind, Date): EP 610956 A2 940817 (Basic)
EP 610956 A3 941102

APPLICATION (CC, No, Date): EP 94102232 940214;

PRIORITY (CC, No, Date): JP 9323090 930212

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G01N-021/90; G06F-015/70; G01N-021/88;

ABSTRACT WORD COUNT: 201

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1377
SPEC A	(English)	EPABF2	5609

Total word count - document A 6986
Total word count - document B 0
Total word count - documents A + B 6986

...CLAIMS image data (1') a multi-value continuous tone image signal (PO) obtained by A/D- **converting** continuous **tone image** signals obtained through capturing and scanning processes; window generating means (13, 14) for dividing an...

...24) for setting, for each of said window areas, a first fixed binarization threshold for **detection** of a picture **element** indicating a black defect (hereinafter referred to as a first black level) and a first fixed binarization threshold for **detection** of a picture **element** indicating a white defect (hereinafter referred to as a first white level), obtaining a sum...image data (1') a multi-value continuous tone image signal (PO) obtained by A/D- **converting** continuous **tone image** signals obtained through capturing and scanning processes; window generating means (13, 14) for dividing an...

...predetermined first difference binarization threshold (hereinafter referred to as a first difference level) used in **detecting** a picture **element** indicating a defect, obtaining a number of picture elements indicating a defect for each of...

14/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00572199

Motion picture films and recording and playback apparatus therefor.

Kinofilme und Aufzeichnungs- und Wiedergabegerat dafur.

Films cinematographiques et appareil d'enregistrement et de reproduction pour ceux-ci.

PATENT ASSIGNEE:

SONY CORPORATION, (214024), 6-7-35 Kitashinagawa Shinagawa-ku, Tokyo 141, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Ozaki, Yoshio, c/o Master Engineering Corporation, Yamaizumi Bldg 6F, 12-4 Kitashinagawa 5-chome, Shinagawa-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Cotter, Ivan John et al (29661), D. YOUNG & CO., 21 New Fetter Lane, London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 562823 A1 930929 (Basic)

APPLICATION (CC, No, Date): EP 93302198 930323;

PRIORITY (CC, No, Date): JP 9297172 920324

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03B-031/02; G11B-007/00;

ABSTRACT WORD COUNT: 82

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	224
SPEC A	(English)	EPABF1	4436
Total word count - document A			4660
Total word count - document B			0
Total word count - documents A + B			4660

...SPECIFICATION picture film playback apparatus for reproducing an audio

signal recorded on a motion picture film, characterised by photoelectric conversion means for **sensing** a digital audio signal pattern and converting the digital audio signal pattern into a digital audio signal, and optical means for focusing the digital **audio** signal pattern **image** on the photoelectric **conversion** means.

In a preferred arrangement

14/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00523175

A cylindrical container's inner surface tester.

Prüfvorrichtung der inneren Oberfläche eines zylindrischen Behalters.

Dispositif pour examiner la surface interne d'un reservoir cylindrique.

PATENT ASSIGNEE:

FUJI ELECTRIC CO., LTD., (231961), 1-1, Tanabeshinden Kawasaki-ku,
Kawasaki-shi Kanagawa 210, (JP), (applicant designated states:
DE;FR;GB)

INVENTOR:

Toyama, Kouichi, 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa
210, (JP)

LEGAL REPRESENTATIVE:

DIEHL GLAESER HILTL & PARTNER (100232), Patentanwälte Königstrasse 28,
W-2000 Hamburg 50, (DE)

PATENT (CC, No, Kind, Date): EP 523664 A2 930120 (Basic)
EP 523664 A3 930428

APPLICATION (CC, No, Date): EP 92112088 920715;

PRIORITY (CC, No, Date): JP 91172940 910715; JP 91232093 910912; JP
91249946 910930; JP 91265134 911015

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G01B-011/30;

ABSTRACT WORD COUNT: 156

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1376
SPEC A	(English)	EPABF1	11588
Total word count - document A			12964
Total word count - document B			0
Total word count - documents A + B			12964

...SPECIFICATION 1 or 2 for the continuous tone image signal 23a to generate an inverted continuous **tone image** signal, **converting** the signal to the continuous **tone image** signal 23a, and providing it for the defective peak/bottom determiner, thereby **detecting** a picture **element** having a defective peak/bottom without inverting the above described polarity.

The cylindrical container's...

...1 or 2 for the continuous tone image signal 23a to generate an inverted continuous **tone image** signal, **converting** the signal to the continuous **tone image** signal 23a, and providing it for the black level defect determiner, thereby **detecting** a picture **element** having a white level defect through the black level defect determiner.

The cylindrical container's...

14/3,K/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00386177

Image processing apparatus

Bildverarbeitungsgerat

Appareil de traitement d'image

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,
Tokyo, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Ikeda, Yoshinori, 15-8, Tairo-cho, 2-chome, Meguro-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Tiedtke, Harro, Dipl.-Ing. et al (11949), Patentanwaltsburo

Tiedtke-Buhling-Kinne & Partner Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 371005 A1 900530 (Basic)

EP 371005 B1 950607

APPLICATION (CC, No, Date): EP 90101031 840307;

PRIORITY (CC, No, Date): JP 8336673 830308; JP 8344989 830317; JP 8344990

830317; JP 8344991 830317

DESIGNATED STATES: DE; FR; GB

RELATED PARENT NUMBER(S) - PN (AN):

EP 122430

INTERNATIONAL PATENT CLASS: H04N-001/387

ABSTRACT WORD COUNT: 78

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9844	671
CLAIMS B	(German)	9844	561
CLAIMS B	(French)	9844	755
SPEC B	(English)	9844	7218
Total word count - document A			0
Total word count - document B			9205
Total word count - documents A + B			9205

...SPECIFICATION an image memory address generator 14 generate write
addresses of an image memory 8.

The **character** code image of a designated **region** which is read out
from the character code buffer 10 in this manner is converted...

...and 28-3.

Thereafter, designation of the region to be printed out of the half
tone image stored in the buffer memory is performed in response to the
signal 107 simultaneously supplied...

14/3,K/13 (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00310355

Drop-out detector circuit.

Ausfall-Detektorschaltung.

Circuit de detection de lacunes.

PATENT ASSIGNEE:

PIONEER ELECTRONIC CORPORATION, (537920), No. 4-1, Meguro 1-chome,
Meguro-ku Tokyo 153, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Gotoh, Toshio Pioneer Electronic Corporation, Tokorozawa Works No.2610
Hanazono 4-chome, Tokorozawa-shi Saitama, (JP)

LEGAL REPRESENTATIVE:

Brunner, Michael John (28871), GILL JENNINGS & EVERY, Broadgate House, 7
Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 283282 A2 880921 (Basic)
EP 283282 A3 890913
EP 283282 B1 930526

APPLICATION (CC, No, Date): EP 88302331 880317;

PRIORITY (CC, No, Date): JP 8767315 870320; JP 8767316 870320

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G11B-020/18; H04N-005/94; H04N-009/88;

ABSTRACT WORD COUNT: 67

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	275
CLAIMS B	(German)	EPBBF1	255
CLAIMS B	(French)	EPBBF1	362
SPEC B	(English)	EPBBF1	2320
Total word count - document A			0
Total word count - document B			3212
Total word count - documents A + B			3212

...SPECIFICATION a drop-out detection circuit according to the invention.
As shown in this figure, an **FM image** signal read from a **video** disc
or other recording medium is passed through an analog LPF (Low-pass
filter) 1...

...converter 2 is supplied to a digital BPF (bandpass filter) 3 and a
drop-out **detector** circuit 4 constructed according to **the** invention.
The digital BPF 3 extracts from the A/D converter output, which also
contains...

14/3,K/14 (Item 14 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00286502

Method of compressing image signals by vector quantization.

Verfahren zur Kompression von Bildsignalen durch Vektorquantisierung.

Procede de compression de signaux d'image par quantification vectorielle.

PATENT ASSIGNEE:

Fuji Photo Film Co., Ltd., (202402), 210 Nakanuma Minamiashigara-shi,
Kanagawa-ken, (JP), (applicant designated states: DE;FR;NL)

INVENTOR:

Tanaka, Nobuyuki c/o Fuji Photo Film Co. Ltd., 798 Miyanodai Kaisei-machi
, Ashigarakami-gun Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner (100721),
Maximilianstrasse 58, D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 280313 A2 880831 (Basic)
EP 280313 A3 901212
EP 280313 B1 940518

APPLICATION (CC, No, Date): EP 88102850 880225;

PRIORITY (CC, No, Date): JP 8742113 870225; JP 8742114 870225; JP 8841715
880224; JP 8841716 880224

DESIGNATED STATES: DE; FR; NL

INTERNATIONAL PATENT CLASS: H04N-007/133; H04N-007/137;
ABSTRACT WORD COUNT: 183

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	457
CLAIMS B	(German)	EPBBF1	401
CLAIMS B	(French)	EPBBF1	529
SPEC B	(English)	EPBBF1	4844
Total word count - document A			0
Total word count - document B			6231
Total word count - documents A + B			6231

...SPECIFICATION numbers are fed to a prediction encoding circuit 23 and subjected therein to previous value **prediction plus Huffman encoding** processing as an example of the prediction encoding processing methods. For explanation of prediction encoding processing, the group signals of the vector **identification** numbers as shown in **Figure 8** are generally indicated as shown in Figure 9A. First the prediction encoding circuit 23
...

14/3,K/15 (Item 15 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00257280

Apparatus for recording and reproducing digital signals.
Anordnung zur Aufzeichnung und Wiedergabe von digitalen Signalen.
Appareil pour enregistrer et reproduire des signaux numeriques.

PATENT ASSIGNEE:

HITACHI, LTD., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101, (JP), (applicant designated states: DE;GB)
HITACHI VIDEO ENGINEERING, INC., (548190), 292, Yoshidacho Totsuka-ku, Yokohama-shi Kanagawa-ken 244, (JP), (applicant designated states: DE;GB)

INVENTOR:

Itoh, Shigeyuki, Hachimanyama Apartment 517 1545, Yoshidacho, Totsuka-ku Yokohama, (JP)
Watatani, Yoshizumi, 1379-15, Chogo, Fujisawa-shi, (JP)
Tsunoka, Akitoshi, Hitachi Kamakuraryo 4-1, Dai-5-chome, Kamakura-shi, (JP)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1267), Patent- und Rechtsanwälte Bardehle-Pagenberg-Dost-Altenburg-Frohwitter & Partner Postfach 86 06 20, W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 255111 A2 880203 (Basic)
EP 255111 A3 881102
EP 255111 B1 920603

APPLICATION (CC, No, Date): EP 87110924 870728;

PRIORITY (CC, No, Date): JP 86175616 860728

DESIGNATED STATES: DE; GB

INTERNATIONAL PATENT CLASS: G11B-020/10; H03M-007/30; G11B-005/008

ABSTRACT WORD COUNT: 166

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1898
CLAIMS B	(German)	EPBBF1	959

CLAIMS B	(French)	EPBBF1	1149
SPEC B	(English)	EPBBF1	5803
Total word count	- document A		0
Total word count	- document B		9809
Total word count	- documents A + B		9809

...SPECIFICATION for the gain function of the main signal path in a feed forward manner. The **detector** compares the digital input **signal** with a stored signal. Upon a positive result the difference between the compared signals is...apparatus having an ability of high sound quality for recording, high density recording and after- **recording** of **sound** or **picture** .

In accordance **with** one aspect of the present invention, the dynamic range of a digital signal (obtained by...

14/3,K/16 (Item 16 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
 (c) 2004 European Patent Office. All rts. reserv.

00220874

Method of observing bore holes, and apparatus therefor.

Verfahren zur Beobachtung von Bohrlochern und Einrichtung zum selben Zweck.

Methode pour l'observation de puits de forage, et appareil utilise a cette fin.

PATENT ASSIGNEE:

SHIMIZU CONSTRUCTION Co. LTD., (304440), 16-1, Kyobashi 2-chome, Chuo-ku Tokyo 104, (JP), (applicant designated states: DE;GB)

CORE INC., (776800), 4-3-2-206, Shiba Minato-ku, Tokyo 108, (JP), (applicant designated states: DE;GB)

INVENTOR:

Iizuka, Yunosuke c/o Shimizu Construction Co., Ltd, 2-16-1, Kyobashi, Chuo-ku, Tokyo 104, (JP)

Ishii, Takashi c/o Shimizu Construction Co., Ltd., 2-16-1, Kyobashi, Chuo-ku, Tokyo 104, (JP)

Matsumoto, Yoshitaka, 2428, Nakada-cho Totsuka-ku Yokohama-shi, Kanagawa 245, (JP)

Noguchi, Koji, San-Haitsu Shirasagi A-204 2-13-14, Shirasagi, Nakano-ku Tokyo 165, (JP)

LEGAL REPRESENTATIVE:

Dixon, Donald Cossar et al (30122), Gee & Co. Chancery House Chancery Lane, London WC2A 1QU, (GB)

PATENT (CC, No, Kind, Date): EP 210826 A2 870204 (Basic)
 EP 210826 A3 890412
 EP 210826 B1 930414

APPLICATION (CC, No, Date): EP 86305634 860722;

PRIORITY (CC, No, Date): JP 85161378 850722

DESIGNATED STATES: DE; GB

INTERNATIONAL PATENT CLASS: G01N-021/84; E21B-049/00; E21B-047/00; E21B-047/026; G02B-023/24;

ABSTRACT WORD COUNT: 179

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	2327
CLAIMS B	(German)	EPBBF1	1273
CLAIMS B	(French)	EPBBF1	1607
SPEC B	(English)	EPBBF1	8914
Total word count	- document A		0

Total word count - document B 14121
Total word count - documents A + B 14121
...SPECIFICATION of weathering based on an example in which nine different types of granite samples are **extracted** and investigated.
Nine types of granite samples were ranked in terms of degree of weathering, which was judged by the...

...eye is illustrated in Fig. 6.

Next, the nine types of granite samples were photographed using a color television camera, the **pictures** were **converted** into 131 dot x 131 dot digital picture data, the intensity of the colors R...

14/3,K/17 (Item 17 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00210580

Method of measuring a sound pressure distribution in a solid body due to a ultrasonic probe by using photoelasticity.

Verfahren zum Messen der Schalldruckverteilung in einem festen Korper wegen einer Ultraschallsonde mittels Photoelastizitat.

Procede de mesure de la distribution de pression de son dans un corps solide a cause d'un capteur ultrasonique a l'aide de photoelasticite.

PATENT ASSIGNEE:

KRAUTKRAMER FOERSTER JAPAN CO., LTD., (807440), 2-10-12, Dogenzaka Shibuya-ku, Tokyo, (JP), (applicant designated states: DE;FR;GB)
Date, Kazuhiro, (807470), 1-4-5-911, Nishikicho, Sendai-shi Miyagi-ken, (JP), (applicant designated states: DE;FR;GB)
Shimada, Heihachi, (807480), 20, Tsutsujigaoka, Sendai-shi Miyagi-ken, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Date, Kazuhiro, 1-4-5-911, Nishikicho, Sendai-shi Miyagi-ken, (JP)
Shimada, Heihachi, 20, Tsutsujigaoka, Sendai-shi Miyagi-ken, (JP)

LEGAL REPRESENTATIVE:

Schaumburg, Thoenes & Englaender (100351), Mauerkircherstrasse 31 Postfach 86 07 48, W-8000 Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 222346 A2 870520 (Basic)
EP 222346 A3 880120
EP 222346 B1 910904

APPLICATION (CC, No, Date): EP 86115467 861107;

PRIORITY (CC, No, Date): JP 85251804 851109

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G01N-029/00; G01N-029/04; G01H-009/00;

ABSTRACT WORD COUNT: 132

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	143
CLAIMS B	(German)	EPBBF1	141
CLAIMS B	(French)	EPBBF1	155
SPEC B	(English)	EPBBF1	2806
Total word count - document A			0
Total word count - document B			3245
Total word count - documents A + B			3245

...SPECIFICATION also shown by reference photographs.

Such measurement is obtained by the apparatus shown in Fig. 1, the ultrasonic flaw **detecting** apparatus and the probe are available in

markets. The frequency of the probe is 2...

...2 respectively are measured on the basis of the calibration curve in Fig. 5, and **the** brightness distributions are **converted** to the **sound** pressure distributions. Fig. 6 shows an sound pressure distribution on the center line of the...

14/3,K/18 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00177005

DEVICE IN CONNECTION WITH AN INHALER
DISPOSITIF POUR INHALATEUR

Patent Applicant/Assignee:

AKTIEBOLAGET DRACO,
ANDERSSON Jan Anders Roland,
NILSSON Nils Goran,
FAGERSTRoM Per-Olof Stefan,
WENDEL Thomas Mikael,

Inventor(s):

ANDERSSON Jan Anders Roland,
NILSSON Nils Goran,
FAGERSTRoM Per-Olof Stefan,
WENDEL Thomas Mikael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9010470 A1 19900920
Application: WO 90SE137 19900302 (PCT/WO SE9000137)
Priority Application: SE 89793 19890307

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA FI JP KR NO US

Publication Language: English

Fulltext Word Count: 4323

Fulltext Availability:

Claims

Claim

... intensive sound which is detected by the microphone 36. At inhalation here also arises a **characteristic** sound which is **detected** /measured in the same way as in the other embodiments.
Possible modifications of the invention...

...of measuring the level of the sound one measures the dominating frequency of the rotation **sound** . The recorded frequency **images** and can be **transformed** into a measure of the airflow through the inhaler,
In order to simplify the reading...

18/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00514518 **Image available**

**VISUAL PROSTHESIS
PROTHESE VISUELLE**

Patent Applicant/Assignee:
JOHNS HOPKINS UNIVERSITY,
Inventor(s):

HUMAYUN Mark S,
DE JUAN Eugene Jr,
GREENBERG Robert J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9945870 A1 19990916
Application: WO 99US5258 19990311 (PCT/WO US9905258)
Priority Application: US 9841933 19980313

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
TD TG

Publication Language: English
Fulltext Word Count: 6049

Main International Patent Class: **A61F-009/08**

English Abstract

...retinal tissue stimulation circuitry within the eye. To generate the visual signal output the camera **converts** a visual **image** to electrical impulses which are sampled to selecting an image at a given point in time. The sampled **image** signal is then **encoded** to allow a pixelized display of it. This signal then is used to modulate a radio frequency carrier signal. A **tuned** coil pair having a primary and a secondary coil are used to transmit and receive...

...used by an electrode array having a plurality of electrodes forming a matrix. The intraocular **components** are powered from energy **extracted** from the transmitted visual signal. The electrode array is attached to the retina via tacks...

?

20/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01737354

Short film generation/reproduction apparatus and method thereof
Gerat und Verfahren zur Kurzfilmgenerierung und -reproduktion
Appareil et procede de generation et reproduction d'un court metrage
PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,
Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)

INVENTOR:

Mori, Yasuhiro, 2-3-5-403, Wake-cho, Izumi-shi Osaka 594-0073, (JP)
Okabayashi, Ichiro, 1-8-2, Kitayamato, Ikoma-shi Nara 630-0121, (JP)
Yamauchi, , Masaki, 4-34-402, Sawaragihigashi-machi, Ibaraki-shi Osaka
567-0863, (JP)

Kawabata, Akihiro, 5-12-45, Morofuku, Daito-shi Osaka 574-0044, (JP)

LEGAL REPRESENTATIVE:

Balsters, Robert et al (83703), Novagraaf International S.A. 25, avenue
du Pailly, 1220 Les Avanchets - Geneva, (CH)

PATENT (CC, No, Kind, Date): EP 1422668 A2 040526 (Basic)

APPLICATION (CC, No, Date): EP 2003026208 031114;

PRIORITY (CC, No, Date): JP 2002341292 021125; JP 2003167825 030612

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06T-015/70

ABSTRACT WORD COUNT: 116

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200422	3903
SPEC A	(English)	200422	29556
Total word count - document A			33459
Total word count - document B			0
Total word count - documents A + B			33459

...ABSTRACT using at least one still picture and reproducing such video is
comprised of: a picture **feature extraction** unit 1107 for **extracting**
picture **features** from an input picture; a **picture -to-style** feature
conversion unit 1115 for **converting** the **picture** features into style
features; a **picture -to-musical** feature **conversion** unit 1118 for
converting the **picture** features into **musical** features; a style
determination unit 1116 for determining a style based on the style
features; a **music** determination unit 1119 for determining a piece of
music based on the **musical** features; and a scenario generation unit
1117 for generating a scenario by using the still picture, **music** and
style.

20/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01218033

A method for enhancing the edge contrast of a digital image

Verfahren fur die Verbesserung des Rand-Kontrastes eines digitalen Bildes
Methode pour rehausser le contraste du bord d'une image numerique

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York
14650, (US), (Applicant designated States: all)

INVENTOR:

Gallagher, Andrew C., Eastman Kodak Company, Patent Legal Staff, 343
State Street, Rochester, New York 14650-2201, (US)

Gindele, Edward B., Eastman Kodak Company, Patent Legal Staff, 343 State
Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Weber, Etienne Nicolas et al (91684), Kodak Industrie, Departement
Brevets, CRT, Zone Industrielle, 71102 Chalon sur Saone Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 1058209 A2 001206 (Basic)

EP 1058209 A3 021204

APPLICATION (CC, No, Date): EP 2000201805 000522;

PRIORITY (CC, No, Date): US 324239 990602

DESIGNATED STATES: CH; DE; FR; GB; LI

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06T-005/20

ABSTRACT WORD COUNT: 169

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200049	497
SPEC A	(English)	200049	4209
Total word count - document A			4706
Total word count - document B			0
Total word count - documents A + B			4706

...ABSTRACT A2

A method for utilizing a predetermined **tone** scale conversion to
enhance a digital image comprised of a plurality of image pixels, each...

...value, includes the steps of: providing image pixels corresponding to a
region of the image; **identifying** a statistical **characteristic** of the
image pixels in the region; normalizing the predetermined **tone** scale
conversion for the statistical characteristic in order to generate a
normalized **tone** scale conversion; and performing the normalized **tone**
scale **conversion** on a central **pixel** of the region in order to
generate an enhanced output pixel. In one embodiment, a...

...second intermediate value is generated from the application of the first
intermediate value to the **tone** scale function, and an enhanced pixel
value is then obtained from application of the inverse...

20/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00239719

Pixel-density conversion technique for continuous-tone image.

Verfahren zur Umsetzung der Bildelementdichte fur Grautonbilder.

Procede de conversion de densite d'elements d'image pour images a tonalites
continues.

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku,
Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states:
DE;FR;NL)

INVENTOR:

Yoneda, Hitoshi c/o Patent Division, Kabushiki Kaisha Toshiba 1-1
Shibaura 1-chome, Minato-ku Tokyo 105, (JP)
Kamiyama, Tadanobu c/o Patent Division, Kabushiki Kaisha Toshiba 1-1
Shibaura 1-chome, Minato-ku Tokyo 105, (JP)

LEGAL REPRESENTATIVE:

Henkel, Feiler, Hanzel & Partner (100401), Mohlstrasse 37, W-8000 Munchen
80, (DE)

PATENT (CC, No, Kind, Date): EP 238034 A2 870923 (Basic)
EP 238034 A3 900207
EP 238034 B1 930526

APPLICATION (CC, No, Date): EP 87103825 870317;

PRIORITY (CC, No, Date): JP 8658640 860317

DESIGNATED STATES: DE; FR; NL

INTERNATIONAL PATENT CLASS: H04N-001/40;

ABSTRACT WORD COUNT: 175

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	610
CLAIMS B	(German)	EPBBF1	530
CLAIMS B	(French)	EPBBF1	733
SPEC B	(English)	EPBBF1	3638
Total word count - document A			0
Total word count - document B			5511
Total word count - documents A + B			5511

...ABSTRACT apparatus includes a dither processor (14), which converts an electrical signal (12) representing a continuous- **tone** input image into a binary image signal (16) by a dither method using a dither...

...The binary image signal (16) is stored in a memory (18), and supplied to a **pixel** -density **conversion** processor (20), which **converts** a **pixel** -density of the binary image signal at a predetermined ratio, and generates a **converted image** with the **pixel** coordinates as defined by the **conversion** ratio. A **pixel** coordinate calculator (22) calculates a coordinates position of each **pixel** of the **converted image** in the binary image, and selects a fiducial pixel. Reference pixel selector (24) defines a...

...image containing the fiducial pixel and corresponding in size to the dither matrix size, and **extracts** reference picture **elements** in the window area. A calculator (26) calculates an average image-density of the reference...

20/3,K/4 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01150617 **Image available**

SONIC IDENTIFICATION SYSTEM AND METHOD

SYSTEME ET PROCEDE D'IDENTIFICATION ACOUSTIQUE

Patent Applicant/Assignee:

RCB LC, 584 South State Street, Orem, UT 84058, US, US (Residence), US
(Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BLOSSER Robert L, 2579 Harvest Lane, West Jordan, UT 84084, US, US
(Residence), US (Nationality), (Designated only for: US)
MADSEN Ronald E Jr, 2094 Lambourne Ave., Salt Lake City, UT 84109, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

NORTH Vaughn W (et al) (agent), Thorpe, North & Western, LLP, P.O. Box
1219, Sandy, UT 84091-1219, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200472890 A2 20040826 (WO 0472890)
Application: WO 2004US3317 20040205 (PCT/WO US04003317)
Priority Application: US 2003359926 20030205

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6801

English Abstract

A neural net sonic identification system includes an ultra-sonic emitter
and receiver configured to **detect characteristics** of a subject by
detecting reflections of the ultrasonic waves. The sonic reflection are
processed by a neural network pattern...

...emitter/receiver is continuously optimized for phase, wavelength,
spectral, and power frequencies, and the received **sound "picture"** is
written-over the previously stored **encrypted image** data file for a
particular individual, so as to continuously update the processor's
retained...

20/3,K/5 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00933058 **Image available**

COMBINED EYE TRACKING INFORMATION IN AN AUGMENTED REALITY SYSTEM
INFORMATION DE POURSUITE OCULAIRE COMBINEE DANS UN SYSTEME A REALITE
AMPLIFIEE
VERKNUPFTE EYE-TRACKING-INFORMATION INNERHALB EINES AUGMENTED-REALITY-SYSTEME
MS

Patent Applicant/Assignee:

SIEMENS AKTIENGESSELLSCHAFT, Wittelsbacherplatz 2, 80333 Munchen, DE, DE
(Residence), DE (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

MORITZ Soeren, Am Hochberg 9a, 91353 Wimmelbach, DE, DE (Residence), DE
(Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200267067 A2-A3 20020829 (WO 0267067)
Application: WO 2002DE453 20020207 (PCT/WO DE0200453)

Priority Application: DE 10108064 20010220
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CN US
(EP) 'AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: German
Filing Language: German
Fulltext Word Count: 3685

English Abstract

...method in an augmented reality system for combining eye tracking information with video and/or **audio** information, improving the possibility of associating information with real objects. The inventive system consists of an **eye** tracking system (1) for **detecting** the position of an **eye** (30) and for producing position information (10) on the position of the eye (30); an image recording unit (2) for recording image information (29) and for **converting** said **image** information (29) into video signals (12); an annotation system (6) for combining the position information...

French Abstract

...systeme a realite amplifiee, pour la combinaison d'informations de poursuite oculaire avec des informations **audio** ou video, ameliorant ainsi la possibilite d'affectation d'informations a des objets reels. Le ...

...des yeux, une unite d'acquisition d'images (2) servant a acquerir des informations d' **image** (29) et a **convertir** ces dernieres (29) en signaux video (12), un systeme d'annotation (6) servant a combiner...

20/3,K/6 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00504254 **Image available**
SYSTEM FOR HUMAN FACE TRACKING
SYSTEME DE REPERAGE DE VISAGE HUMAIN

Patent Applicant/Assignee:

SHARP KABUSHIKI KAISHA,

Inventor(s):

QIAN Richard Jungiang,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9935606 A1 19990715

Application: WO 99JP10 19990106 (PCT/WO JP9900010)

Priority Application: US 984539 19980108

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

JP KR AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 4012

English Abstract

A system **detects** a **face** within an image by receiving the image which includes a plurality of pixels, where a...
...pixels of the image is represented by respective groups of at least three values. The **image** is filtered by **transforming** a plurality of the respective groups of the at least three values to respective groups

...
...respective groups of the at least three values. Regions of the image representative of skin- tones are determined based on the filtering. A first distribution of the regions of the image representative of the skin- tones in a first direction is calculated. A second distribution of the regions of the image representative of the skin- tones in a second direction is calculated, where the first direction and the second direction are...

French Abstract

...image etant representees par des groupes respectifs d'au moins trois valeurs. On filtre l' **image** en **transformant** les differents groupes respectifs d'au moins trois valeurs en groupes respectifs de moins de...

20/3,K/7 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00442853

SYSTEM AND METHOD FOR VIDEO/AUDIO CONFERENCING

SYSTEME ET PROCEDE DE VIDEOCONFERENCE/AUDIOCONFERENCE

Patent Applicant/Assignee:

DIRESTA Dennis M,

Inventor(s):

DIRESTA Dennis M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9833317 A2 19980730

Application: WO 98US1163 19980122 (PCT/WO US9801163)

Priority Application: US 97791102 19970124

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 4614

English Abstract

A video conferencing system (11) and method is disclosed for providing real-time **audio** /visual communications and data transfer between at least two device/system users over conventional POTS...

...lines (39). The video conferencing system includes: a personal computer (13), a combination video and **audio** encoding and decoding circuit, a combination video display and **audio** input/output circuit, a **sound** sensing device, a digitizing circuit for transforming detected **sound** into digital **audio** , a continuous display camera (20) in electronic communication with the input/output circuit including an overlay **feature** for **transforming detected visual images** into a digital video signal, and a two way coder/decoder (CODEC) for combining the transformed digital **audio** and digital video signals into high-speed digital **audio** /visual signals.

French Abstract

...systeme de videoconference comprend: un ordinateur personnel; un circuit combine de codage-decodage video et **audio** relie

electroniquement a l'ordinateur personnel; un affichage video et un circuit d'entree/sortie **audio** combines relies electroniquement a l'ordinateur personnel; un dispositif de detection des sons, tel qu...
...circuit d'entree/sortie; un circuit numeriseur qui transforme les sons detectes en un signal **audio** numerique; une camera a affichage continu reliee electroniquement au circuit d'entree/sortie, qui comporte une fonction de recouvrement permettant de **transformer** les **images** visuelles detectees en un signal video numerique; et un codeur/decodeur bidirectionnel (CODEC) qui combine les signaux numeriques **audio** et video transformes en signaux numeriques **audio** /video a grande vitesse. Des formes de realisation du systeme de video conference peuvent egalement...

File 9:Business & Industry(R) Jul/1994-2004/Sep 30
(c) 2004 The Gale Group

File 15:ABI/Inform(R) 1971-2004/Oct 01
(c) 2004 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2004/Oct 01
(c) 2004 The Gale Group

File 20:Dialog Global Reporter 1997-2004/Oct 01
(c) 2004 The Dialog Corp.

File 47:Gale Group Magazine DB(TM) 1959-2004/Oct 01
(c) 2004 The Gale group

File 75:TGG Management Contents(R) 86-2004/Sep W3
(c) 2004 The Gale Group

File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Oct 01
(c) 2004 The Gale Group

File 88:Gale Group Business A.R.T.S. 1976-2004/Sep 30
(c) 2004 The Gale Group

File 98:General Sci Abs/Full-Text 1984-2004/Aug
(c) 2004 The HW Wilson Co.

File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media

File 141:Readers Guide 1983-2004/Aug
(c) 2004 The HW Wilson Co

File 148:Gale Group Trade & Industry DB 1976-2004/Oct 01
(c)2004 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2004/Oct 01
(c) 2004 The Gale Group

File 264:DIALOG Defense Newsletters 1989-2004/Sep 30
(c) 2004 The Dialog Corp.

File 484:Periodical Abs Plustext 1986-2004/Sep W4
(c) 2004 ProQuest

File 553:Wilson Bus. Abs. FullText 1982-2004/Aug
(c) 2004 The HW Wilson Co

File 570:Gale Group MARS(R) 1984-2004/Oct 01
(c) 2004 The Gale Group

File 608:KR/T Bus.News. 1992-2004/Oct 01
(c)2004 Knight Ridder/Tribune Bus News

File 620:EIU:Viewswire 2004/Sep 17
(c) 2004 Economist Intelligence Unit

File 613:PR Newswire 1999-2004/Oct 01
(c) 2004 PR Newswire Association Inc

File 621:Gale Group New Prod.Annou.(R) 1985-2004/Oct 01
(c) 2004 The Gale Group

File 623:Business Week 1985-2004/Sep 20
(c) 2004 The McGraw-Hill Companies Inc

File 624:McGraw-Hill Publications 1985-2004/Sep 20
(c) 2004 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2004/Sep 30
(c) 2004 San Jose Mercury News

File 635:Business Dateline(R) 1985-2004/Oct 01
(c) 2004 ProQuest Info&Learning

File 636:Gale Group Newsletter DB(TM) 1987-2004/Oct 01
(c) 2004 The Gale Group

File 647:CMP Computer Fulltext 1988-2004/Sep W3
(c) 2004 CMP Media, LLC

File 696:DIALOG Telecom. Newsletters 1995-2004/Oct 01
(c) 2004 The Dialog Corp.

File 674:Computer News Fulltext 1989-2004/Aug W4
(c) 2004 IDG Communications

File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	65659	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT???? OR C- ONVERSION?? OR TRANSFORM????) (3N) (IMAGE??? OR PHOTOGRAPH?? OR PICTURE? ? OR DRAWING? ? OR JPG?? OR TIFF?? OR JPEG?? OR GIF)
S2	2613	(ENCOD??? OR ENCRYPT??? OR TRANSLAT??? OR CONVERT???? OR C- ONVERSION?? OR TRANSFORM????) (3N) (PIXEL?? OR PEL OR (PICTURE?- ?())ELEMENT??) OR SUB()PIX?? OR SUBPIXEL??)
S3	13039064	(RECOGNI???? OR EXTRACT???? OR DETECT??? OR SENSING OR RET- RIEV??? OR IDENTIF???? OR IDENTIFICATION??)
S4	491446	S3(5N) (FEATUR??? OR CHARACTER?????? OR ASPECT??? OR ATTRIB- UTE?? OR ELEMENT??? OR COMPONENT??? OR DETAIL??? OR NOSE?? OR EAR OR EARS OR LIP?? OR EYE?? OR FACE??)
S5	8069951	MUSIC?? OR SOUND?? OR AUDIO?? OR SONG?? OR TUNE?? OR MELOD- Y?? OR POLYPHON??? OR TONE?? OR CHORD??
S6	2	AU=(PERSUAD K? OR PERSUAD, K? OR CRONLY-DILLON J? OR CRONL- Y-DILLON, J?)
S7	2	AU='CRONLY-DILLON, J. R.':AU='CRONLY-DILLON, JOHN'
S8	2	S7 OR S6
S9	0	S8 AND (S1 OR S2)
S10	67470	S1 OR S2
S11	2498	S10(7N)S5
S12	12	S11(S)S4
S13	9	RD (unique items)
S14	5514	S10(S)S5
S15	55	S14(S)S4
S16	40	RD (unique items)
S17	33	S16 NOT S12
S18	18	S17 NOT PY>1998

13/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00360737 87-19571

Facsimile: On the Verge of Maturity

Green, James H.
Office v105n5 PP: 68-69 May 1987
ISSN: 0030-0128 JRNL CODE: OFF

ABSTRACT: A major component of a facsimile machine is the scanner that **converts** the **image** to an **encoded audio** signal. The latest generation of facsimile employs digital modulation, breaking the signal into tiny dots...

... a prime concern in purchasing this new hardware. Even though a machine is compatible with **recognized** standards, many manufacturers offer **features** that do not work with machines of other manufacturers. ...

13/3,K/2 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

37836069 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TransMedia Announces the Release of Colaborata 2.5, the Turning Point in the Battle Against Digital Friction(TM)

PR NEWSWIRE (US)
September 15, 2004
JOURNAL CODE: WPRU LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 866

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... extracts, converts, fingerprints, watermarks and encrypts multiple media files at the same time. 10. Online **Audio** , **Image** and Document Processing -- **Convert** and process media, edit media properties and conduct on-the-fly PDF conversion, from any...

13/3,K/3 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

10324522 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Sunhawk.com Introduces Its Digital Rights Management Technology

PR NEWSWIRE
March 30, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 869

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... compatible formats. Sunhawk.com employs methods such as encoding audio and video, scanning technology, optical **character recognition** (OCR), and digital imaging to convert a wide variety of content to a digital format...

13/3,K/4 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06611766 SUPPLIER NUMBER: 109847236
Revisions to the current employment statistics national estimates effective May 2003.

Strifas, Sharon
Employment and Earnings, 50, 6, 3(179)
June, 2003
ISSN: 0013-6840 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 65017 LINE COUNT: 33128

... unable to utilize additive seasonal adjustments. A new processing system, being introduced simultaneously with the **conversion** to NAICS, is able to utilize both additive and multiplicative adjustments. See exhibit 4 for...

13/3,K/5 (Item 2 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06385157 SUPPLIER NUMBER: 96696932
Benchmark input-output accounts of the United States, 1997. (Illustration)
Lawson, Ann M.; Bersani, Kurt S.; Fahim-Nader, Mahnaz; Guo, Jiemin
Survey of Current Business, 82, 12, 19(91)
Dec, 2002
DOCUMENT TYPE: Illustration ISSN: 0039-6222 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 60320 LINE COUNT: 27240

... fish

and animals from farms,
ranches, and natural
habitats.

Mining
(NAICS 21)

Mining

Establishments that
extract naturally
occurring mineral
solids, liquid
minerals, and gases.

Utilities (NAICS 22...1140	Utilities Fishing, hunting and	Establishments engaged in
1150 Agriculture and forestry	trapping	...
2110 Oil and gas extraction	support activities	...
2121 Coal mining		...
2122 Metal ores mining		...
2123 Nonmetallic mineral mining		...
2130 Support...and allied product	and quarrying	...
3210 Wood product manufacturing	manufacturing	...
3221 Pulp, paper, and		...
3222 Converted paper product	paperboard mills	...
	manufacturing	...

3230	Printing and related support activities	...	663
3240	Petroleum and coal products...producing a commodity, read the column for that commodity		
Industry number	For the distribution of commodities produced by an industry, read the row for that industry	Software	Motion pictures and sound recordings
	Commodity number	5112	5120
1110	Crop...		

13/3,K/6 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01667510 SUPPLIER NUMBER: 15022146 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MIDIScan for Windows scans scores into MIDI files. (Musitek's music reading software) (Software Review) (Multimedia Direct) (Evaluation)

Levy, David S.

Computer Shopper, v14, n2, p829(1)

Feb, 1994

DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 488 LINE COUNT: 00039

...ABSTRACT: Windows music reading software is a vanguard product that performs the musical equivalent of optical **character recognition** for text. While the software has some flaws, it deserves credit for pioneering this technology. MIDIScan could potentially revolutionize multimedia, and the software presumably will improve over time. MIDIScan uses **music reading software (MRS)** to **convert** scanned **TIFF** files into playable and editable MIDI files. Shortcomings include inconsistent recognition of time signatures, which...

...s MIDIScan for Windows employs music reading software (MRS) technology--the musical equivalent of optical **character recognition** for text--to **convert** scanned **TIFF** files into playable, editable MIDI **music** files.

MIDIScan provides no scanning software, so you'll have to rely on a scanning...

13/3,K/7 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01530590 SUPPLIER NUMBER: 12441954 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ScanJet IIp gives you everything but color. (Hardware Review) (HP ScanJet IIp scanner) (Evaluation)

Poor, Alfred

Computer Shopper, v12, n9, p676(1)

Sept, 1992

DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1029 LINE COUNT: 00077

...ABSTRACT: DIP switches on the IBM PC expansion card. HP's DeskScan IIp software can automatically **convert** a gray-scale **image** into any of six different half- **tone** patterns and includes a control panel with sliders for brightness, contrast and scaling. Software and...

...they are resized. HP is currently bundling a trial version of Caere's OmniPage optical- **character** - **recognition** software; the full program is available at a discount. OmniPage performs very well. The ScanJet...

13/3,K/8 (Item 1 from file: 553)

DIALOG(R)File 553:Wilson Bus. Abs. FullText
(c) 2004 The HW Wilson Co. All rts. reserv.

03836220 H.W. WILSON RECORD NUMBER: BWBA98086220 (USE FORMAT 7 FOR FULLTEXT)

Tapping solutions for color management: industry experts predict a swift, ubiquitous adoption of ICC-standard integration.

AUGMENTED TITLE: cover story

Sharples, Hadley

Graphic Arts Monthly (Graph Arts Mon) v. 70 no9 (Sept. '98) p. 42-3+

LANGUAGE: English

WORD COUNT: 3169

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... and selective color corrections, and color-separates images. The software also processes black-and-white **images** , **converts** RGB to grayscale, **detects** image **characteristics** , balances **tone** , and sets high-light and shadow.

Pantone has announced Pantone ColorReady, a software application that
...

13/3,K/9 (Item 1 from file: 613)

DIALOG(R)File 613:PR Newswire
(c) 2004 PR Newswire Association Inc. All rts. reserv.

00989881 20030602NYM122 (USE FORMAT 7 FOR FULLTEXT)

The Matrix Reloaded Gets Bigger

PR Newswire

Monday, June 2, 2003 11:13 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 916

TEXT:

...going experience through IMAX DMR, a revolutionary technology that allows live-action films to be **transformed** into

the unparalleled **image** and **sound** quality of The IMAX Experience.

IMAX DMR (Digital Re-Mastering) starts by converting a 35mm...

...high resolution, capturing all the detail from the original. The proprietary software mathematically analyzes and **extracts** the important image **elements** in each frame from the original grainy structure to

create a pristine form of the...
?

18/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00890298 95-39690

A tall order for document managers

Musthaler, Linda
Network World v11n29 PP: 35-44 Jul 18, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 5005

...TEXT: because they only manage images. Full-fledged DMSs manage documents consisting of editable text, images, **sound** or video. Por example, a DMS can be used to manage an automotive repair manual...

... come from a scanned document image. In such a case, the DMS can use optical **character recognition** (OCR) software to **transform** the **image** into text or some other editable form of data such as a b-mapped graphic ...

18/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00826335 94-75727

Telecosm: "Life After Television, Updated"

Gilder, George
Forbes ASAP Supplement PP: 94-105 Feb 28, 1994
ISSN: 0015-6914 JRNL CODE: FBR
WORD COUNT: 7315

...TEXT: the teleputer ideal of the multimedia production center is the Mac Quadra 840AV. Standing for **audio** -visual, the AV fulfills the ultimate promise of the teleputer as a device that can...

... the American NTSC and studio modes S-video and composite video--the Quadra AV can **convert** analog **images** to a digital bit stream to ... Silicon Graphics Indy workstation, the Quadra AV is unique in its pattern-matching and voice- **recognition features** .

In early December 1993 in Tokyo, Apple introduced the latest version of Quicktime running Moving...

18/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

01176999 Supplier Number: 41344541

**CANON U.S.A. LAUNCHES FAX-L4600, A VERSATILE G4 MODEL WITH UHQ AND
UNIVERSAL NETWORKING CAPABILITIES**

News Release, p1
May 22, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:

...paper. The FAX-L4600 offers three convenient relay modes: the Canon Relay Method, optional Optical **Character Recognition** mode, and the

ability to recognize relay command information generated from any touch-tone phone. The Optical **Character Recognition** mode (available at a later date), along with a special cover sheet read by the FAX-L4600, **converts** the **image** to numeric data, enabling any manufacturer's G3 or G4 machine to be used as...

18/3,K/4 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

01632657 (USE FORMAT 7 OR 9 FOR FULLTEXT)
PhotoSpin Inc. and Altamira Group Inc. Form Alliance to Bundle Altamira's Genuine Fractals 1.0 With PhotoSpin's New Collection of Royalty Free Digital Images

BUSINESS WIRE

May 13, 1998 8:25

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 991

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Image Format (FIF). This format allows images to be enlarged without interpolating pixels or blurring **details**. Through FIF, Genuine Fractals **identifies** image shape and color in groupings and then rewrites these groupings in mathematical equations rather...

18/3,K/5 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

04597421 SUPPLIER NUMBER: 18677157 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Libraries and technology in the European Union: soldering the connections. (Special Section: Libraries and Technology in the European Union)

Ede, Stuart

Information Technology and Libraries, v15, n2, p117(6)

June, 1996

ISSN: 0730-9295 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4250 LINE COUNT: 00352

... United States as Z39.50), electronic data interchange (EDI), SGML and full-text access, intelligent **character recognition** in retrospective **conversion**, **image** systems, multimedia, voice-recognition in searching, and conversion between national MARC formats. The application areas ranged from Venetian heraldry and incunabula to **music** and services to the disabled. It would be impossible in a paper of this length...

18/3,K/6 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

04047001 SUPPLIER NUMBER: 15013089 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Life After Television, updated. (views of futurist George Gilder) (Forbes ASAP)

Gilder, George

Forbes, v153, n5, pS94(11)

Feb 28, 1994

ISSN: 0015-6914 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 7903 LINE COUNT: 00615

... the teleputed ideal of the multimedia production center is the Mac Quadra 480AV. Standing for **audio**-visual, the AV fulfills the ultimate promise of the teleputer as a device that can...

...the American NTSC and studio modes S-video and composite video--the Quadra AV can **convert** analog **images** to a digital bit stream to be stored, edited and then transmitted. The AV can...

...Silicon Graphics Indy workstation, the Quadra AV is unique in its pattern-matching and voice- **recognition features** .

In early December 1993 in Tokyo, Apple introduced the latest version of Quicktime running Moving...

18/3,K/7 (Item 1 from file: 80)

DIALOG(R)File 80:TGG Aerospace/Def.Mkts(R)
(c) 2004 The Gale Group. All rts. reserv.

01116785 Supplier Number: 40014631

Remote sensing: Handling the data

Space (UK), v3, n1, p8-11

April, 1987

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

ABSTRACT:

...the form of a conventional camera or an instrument that produces digital signals which then **convert** to **photographic** format on the ground. Sensors are used to detect electromagnetic radiation, measured in microns on average. The satellite incorporates various sensors, each of which are **tuned** to a particular range of wavelengths or spectral bands, depending upon the purpose for which it was built. As well as passive instrumentation, the remote **sensing** satellites **feature** active sensors based on the techniques of microwave radars. These active sensors have all-weather...

...to penetrate clouds that would obscure the view of a passive sensor ordinarily. Article further **details** the process by which remote **sensing** can process data.

...

18/3,K/8 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

(c) 2004 The Gale Group. All rts. reserv.

02963947 SUPPLIER NUMBER: 14916361

Tone reproduction for realistic images. (computer graphics) (includes related article on why tone reproduction matters) (Technical)

Tumblin, Jack; Rushmeier, Holly

IEEE Computer Graphics and Applications, v13, n6, p42(7)

Nov, 1993

DOCUMENT TYPE: Technical

ISSN: 0272-1716

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: Effective **tone** reproduction for computer graphics requires three different measures of light: radiance, luminance and brightness.

Radiance...

...light energy in the visible band. Luminance is the amount of light that the human **eye** can **detect**. Brightness is the observed strength of the light. Photographers know and apply these concepts to...

...display devices are handicapped by the inability to emit light in a wide-ranging range. **Image conversion** methods used to adapt to the limitations of these devices have failed to account for...
...in the manner the human eye sees. A display converter that attempts to provide better **tone** reproduction for realistic monochrome images is described.

18/3,K/9 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10536695 SUPPLIER NUMBER: 21201440 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tapping solutions for color management. (Cover Story)

Sharples, Hadley

Graphic Arts Monthly, v70, n9, p42(5)

Sept, 1998

DOCUMENT TYPE: Cover Story ISSN: 1047-9325 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3057 LINE COUNT: 00255

... also processes black-and-white images, converts RGB to gray-scale, detects image characteristics, balances **tone**, and sets highlight and shadow.

Pantone has announced Pantone ColorReady, a software application that expands...

18/3,K/10 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07765037 SUPPLIER NUMBER: 16741420 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Fax. (fax and online searching)

Searcher, v3, n3, p37(1)

March, 1995

ISSN: 1070-4795 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 828 LINE COUNT: 00067

... fax OCR engines from Calera or Caere claim only around 98 percent accuracy. That may **sound** like a lot, but if calculated as errors in two out of every 100 letters...

18/3,K/11 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07358040 SUPPLIER NUMBER: 16155338

Fax servers get a fix on incoming messages. (International Report)

Data Communications, v23, n10, p55(2)

July, 1994

ISSN: 0363-6399 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: being used as stop-gaps, including dual-tone multifrequency (DTMF), direct inward dialing (DID), optical **character recognition** (OCR) and caller system **identification** (CSID).

18/3,K/12 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

04505251 SUPPLIER NUMBER: 08187252 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Caere Corp. ships OmniPage 2.1 and two powerful add-ons for IBM PCs and compatibles. (product announcement)

PR Newswire, 0228SJ001

Feb 28, 1990

DOCUMENT TYPE: product announcement LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 672 LINE COUNT: 00055

... images from a scanner or desk file to be recognized as lines and curves (vector **images**) and then **converted** into Encapsulated PostScript format. Pricing and Availability

The suggested retail price for the 80386 version...

18/3,K/13 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01549493

LOTUS ANNOUNCES SUPPORT OF DATACOPY'S DESKTOP SCANNER IN NEW "MANUSCRIPT" WORD AND DOCUMENT PROCESSOR.

NEWS RELEASE October 22, 1986 p. 12

... is essential for quality publishing applications. The Model 730 can capture line art, or continuous **tone** pictures through one of two halftone patterns. It comes with Datacopy's Word Image Processing...

... the IBM Personal Computer and compatibles, allowing full image manipulation and file management. Optional optical **character recognition** (OCR) software is also available to **convert images** of text documents into standard ASCII files for modification on PC-based word processing software...

18/3,K/14 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01908976 SUPPLIER NUMBER: 18047437 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Inbound faxing. (Opus Software's FACSys fax server software, Castelle's

FaxPress 3000 fax server, PureData's FAXination fax adapter and Alcom's

LanFax Redirector fax server) (Tech Review) (Product Information) (Column)

Network VAR, v3, n8, p67(1)

August, 1995

DOCUMENT TYPE: Column ISSN: 1082-8818 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 610 LINE COUNT: 00054

TEXT:

...enabled routing of electronic images to users on the network. Many

fax packages incorporate Dual **Tone** Multiple Frequency (DTMF, or touch-tone dialing), Direct Inward Dialing (DID), and Optical **Character Recognition** (OCR). DTMF requires the sender to dial the recipient's fax extension. DID routes faxes...

...a PBX, which automatically dials the recipient's fax extension and forwards the document. OCR **translates** incoming documents into **images**, searches for the recipient's name, and forwards the image.

18/3,K/15 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01464587 SUPPLIER NUMBER: 11606564 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Faxes at your desk. (installing a facsimile modem) (Hands-On) (Tutorial)
Brothers, Hardin
PC Sources, v2, n12, p533(3)
Dec, 1991
DOCUMENT TYPE: Tutorial ISSN: 1052-6579 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2696 LINE COUNT: 00192

... your word processor, spreadsheet, or database program.
One way around this limitation is to use **character recognition** software to **translate** the fax **image** into ASCII text. But such software is still far from perfect. The best software available...

...about 99 percent accurate if the graphics image is clear and has excellent contrast. That **sounds** great until you realize that a page of single-spaced text holds about 600 words...

...financial or scientific data. Generally, a good typist can transcribe a page faster than inexpensive **character recognition** software, especially when you consider the proofreading and corrections you'll have to do.
These...

18/3,K/16 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2004 ProQuest. All rts. reserv.

01867184 (USE FORMAT 7 OR 9 FOR FULLTEXT)
George Gilder's telecosm: "Life After Television, updated"
Gilder, George
Forbes (FBR), (Suppl.), p94-105, p.11
Feb 28, 1994
ISSN: 0015-6914 JOURNAL CODE: FBR
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7313 LENGTH: Long (31+ col inches)

TEXT:

... the teleputer ideal of the multimedia production center is the Mac Quadra 840AV. Standing for **audio**-visual, the AV fulfills the ultimate promise of the teleputer as a device that can...

...the American NTSC and studio modes s-video and composite video--the Quadra AV can **convert** analog **images** to a digital bit stream to be stored edited ...Silicon Graphics Indy workstation, the Quadra AV is

unique in its pattern-matching and voice- **recognition features** .

In early December 1993 in Tokyo, Apple introduced the latest version of Quicktime running Moving...

18/3,K/17 (Item 1 from file: 608)

DIALOG(R)File 608:KR/T Bus.News.

(c)2004 Knight Ridder/Tribune Bus News. All rts. reserv.

06609967 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Comdex Computer Show Illustrates New High-Tech Trends

Mike Langberg

San Jose (Calif.) Mercury News

November 22, 1998

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 2376

...TEXT: features ranging from fingerprints and voice to the iris and even the shape of the **face** to provide **identification** .

Inexpensive sensors are making possible low-cost fingerprint sensors, and Comdex exhibitors are putting these...giving PCs a natural-sounding voice

when reading text, instead of the halting, machine-like **tone** that is the standard today. A demonstration at Comdex featured a female voice reading the weather forecast for New York City in **tones** that could easily be mistaken for a real human.

Coupled with continuing advances in computer...

...company, opens this week in Escondido, with franchise outlets due to start opening in March. **Converting a photograph** into an unframed 8-inch by 10-inch canvas will cost \$25, with prices ranging...

18/3,K/18 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2004 CMP Media, LLC. All rts. reserv.

00515934 CMP ACCESSION NUMBER: WIN19920501S0083

Hand Scanners: Less Expensive, But Are They worth It? (Power Windows)

Matt Trask

WINDOWS MAGAZINE, 1992, n 304 , 175

PUBLICATION DATE: 920501

JOURNAL CODE: WIN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: How To

WORD COUNT: 1133

One possibility is the hand scanner. The advertising claims **sound great**: Get photo-quality images into your PC cheaply. Use Optical **Character Recognition** (OCR) to scan in complete documents and program listings instead of tediously retyping them. Indeed...

...some attractively priced bundles that include software for image editing, OCR and raster-to-vector **image conversion** .

But what kind of results can you really expect to get from these little devices...